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ELECTRON DENSITIES

and SCALE HEIGHTS in the

TOPSIDE IONOSPHERE:

ALOUPETTE I OBSERVATIONS OVER

THE AMERICAN CONTINENTS

Volume I

CHAN, COLIN, and THOMAS



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ELECTRON DENSITIES and SCALE HEIGHTS in the TOPSIDE IONOSPHERE: Alouette I Observations Over The American Continents

Volume I

November — December 1962
January 1963

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Introduction

This is the second of a series of NASA Special Publications (ref. 1) presenting data on electron density (N) and plasma scale height (H) at various heights (h) and times (t) in the topside ionosphere. The data presented were computed in the Computation and Analysis Branch of Ames Research Center from Alouette I topside sounder ionograms, made available by the World Data Center. The Alouette satellite is in an almost circular orbit at an altitude of 1000 kilometers with an inclination of 80.5° and an orbital period of 105.4 minutes (ref. 2). The ionograms selected for analysis were chosen primarily for nearly complete latitudinal coverage over the American Continents (i. e., approximately from 80° N to 80° S geographic latitude or from 90° N to 70° S dip latitude near the 80° W meridian) during winter, summer, and equinox months at a sunspot minimum epoch of the solar cycle. The location and coverage of each Alouette I telemetry receiving station is shown in figure 1. Ionogram data recorded at Antofagasta, College, Ft. Meyers, East Grand Forks, Ottawa, Prince Albert, Quito, Resolute Bay, South Atlantic Station, and St. Johns were primarily chosen for analysis.

This pole-to-pole ionospheric study is presented in four volumes. The first three volumes contain tabulations of $N(h, t)$ and $H(h, t)$ for winter, summer, and equinox periods. The fourth volume of this series presents graphs summarizing the results of the first three books.

The number of Alouette I ionograms analyzed and presented in this volume is summarized in table I. An index for the tabulations is presented in table II. The universal time, local time, geographic latitude, geographic longitude, and magnetic dip angle for the first and last ionograms of each Alouette I pass reduced are indexed. The number of ionograms in each pass is also indicated. A graphical form of index of data analyzed in volume I is shown in figures 2 and 3. The pass number, date, and period of data analyzed in universal time (fig. 2) and local time (fig. 3) are presented.

The authors wish to acknowledge gratefully the continuing courtesy and cooperation of scientists of the Canadian Defence Research Telecommunications Establishment, Ottawa, Canada, particularly J. H. Chapman, E. S. Warren, and G. L. Nelms. We wish also to thank the World

Table I.—Ionograms Analyzed in Volume I

Month	Days	Passes	Ionograms
November 1962	23	37	1080
December 1962	25	33	710
January 1963	26	40	1166
Total	74	110	2956

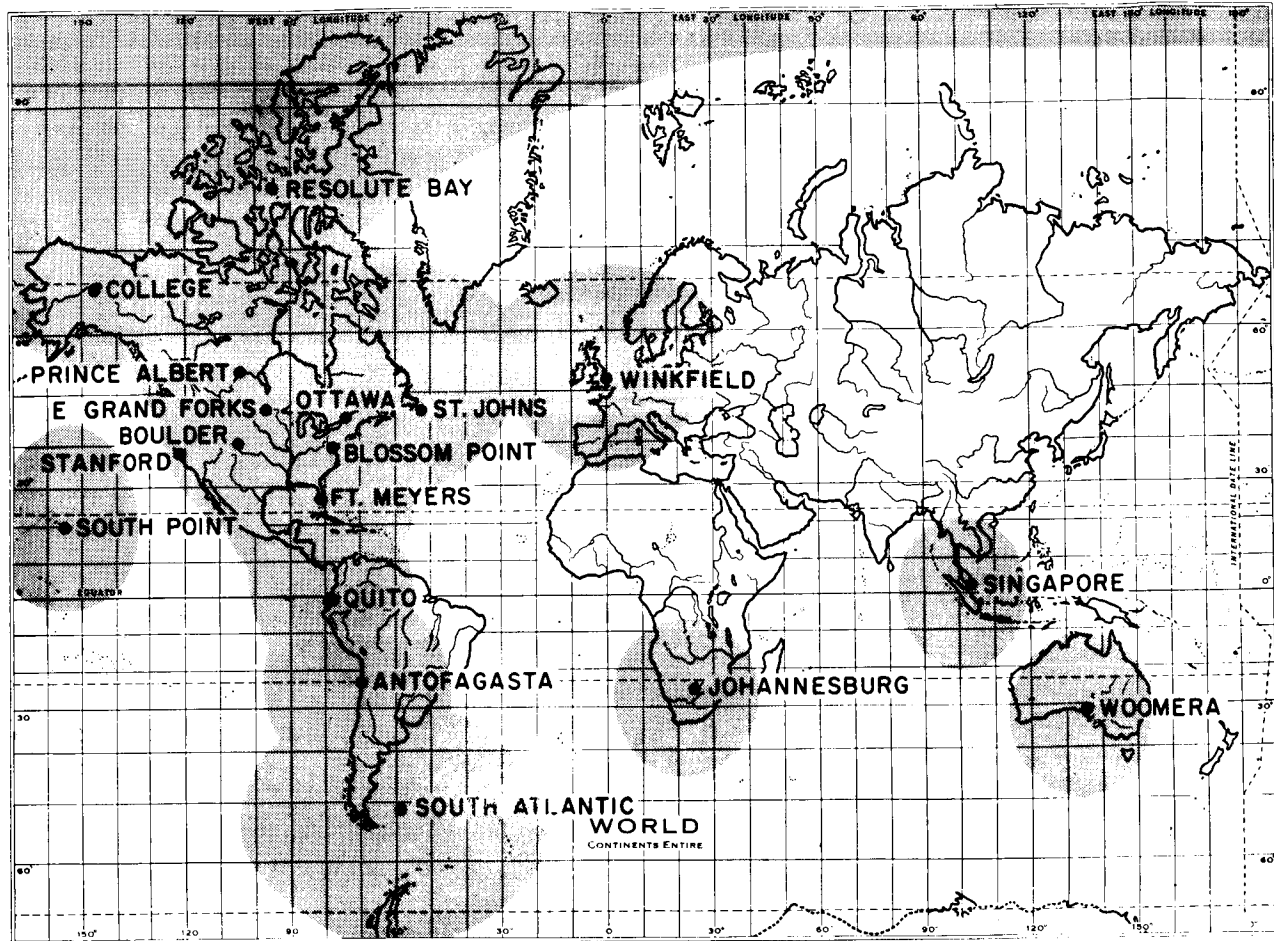


Figure 1

Data Center, Boulder, Colorado, particularly Patricia Smith, for providing the Alouette I ionograms. The ionograms were read and digitized by members of the staff of the Stanford Research Institute, with T. Dayharsh and J. Hice supervising this operation.

Use of the Tabulations

The tabulated $N(h, t)$ and $H(h, t)$ data in table III were computed by the method of overlapping polynomials (refs. 3 and 4) using digitized $h'(f)$ data measured along the leading edge of the extraordinary trace on the ionograms. The quantity H is defined as $H = -N/(dN/dh)$. The required satellite position data are obtained by linear interpolation of the corresponding orbital information listed at 1-minute intervals in Alouette Refined World Maps supplied by Goddard Space Flight Center. The required Earth's magnetic field parameters were evaluated by means of a spherical harmonic expansion representation of the field with coefficients as computed by Jensen and Cain (ref. 5).

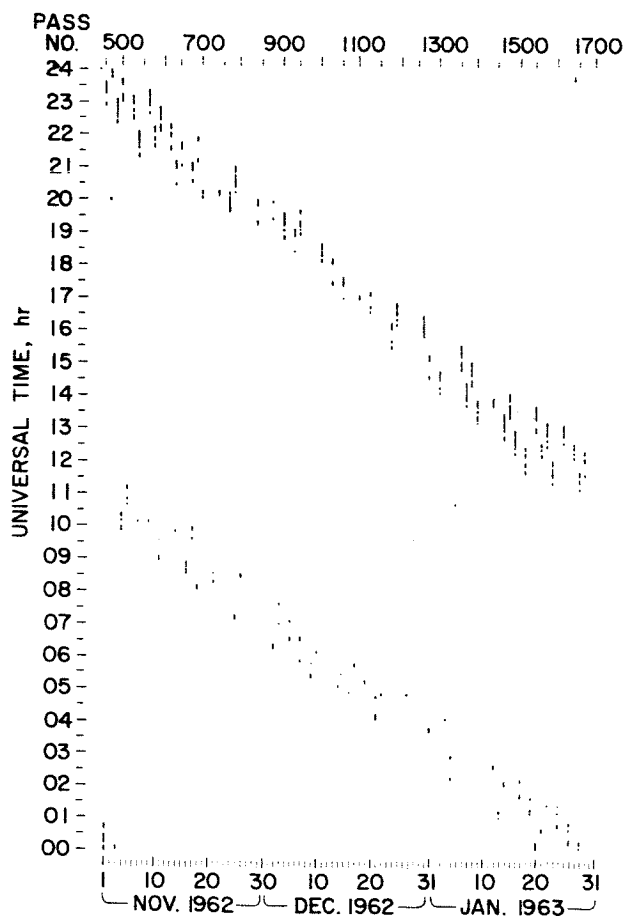


Figure 2

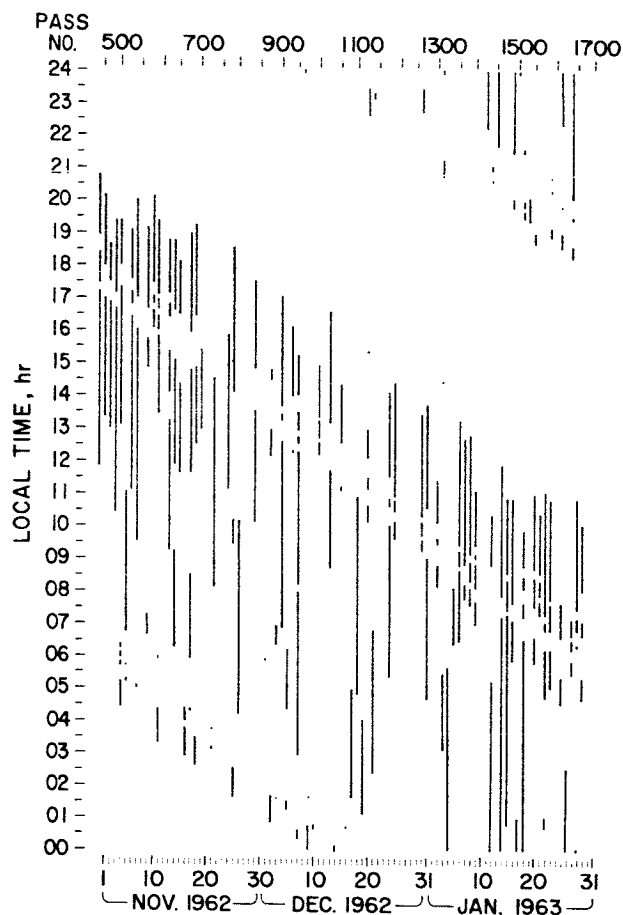


Figure 3

In table III, the electron densities (in units of 10^5 electrons per cc) and plasma scale heights (in units of km) are tabulated in groups of eight profiles per page with values given in altitude increments of 50 kilometers. The electron density table and corresponding plasma scale height table are listed one above the other. The profiles are listed sequentially in time from the beginning to the end of the pass. The times at the head of each column are the universal time (UT) in hours, minutes, and seconds (to the nearest second) of occurrence of f_{xs} , the frequency at which the extraordinary trace has zero range for that particular ionogram. The corresponding sub-satellite geographic latitude and longitude, to the nearest 0.01° , for that time are listed below each column. The satellite typically travels some 80 kilometers during the production of a complete ionogram so that the positions listed are only strictly applicable to the electron density near 1000 kilometers. Consecutive profiles in a pass are separated in time by an integral multiple of 18 ± 1 seconds, the nominal frame time for Alouette I. During this time period of 18 seconds, the spacecraft moves about 120 kilometers in distance along its orbit.

Each horizontal row of figures in the upper table gives the variation of electron density with time at a fixed height ($N(t)$ data). Each vertical column of figures gives the variation of electron density with height at a fixed time ($N(h)$ data). Similarly, in the scale height tables below, each

horizontal row of figures gives the variation of scale height with time at a fixed height ($H(t)$ data); each vertical column of figures gives the variation of scale height with height at a fixed time ($H(h)$ data).

The quality factor given at the bottom of each column is a subjective estimation of the quality and readability of the ionogram by the scaler at the time of scaling. The quality factor is described by the two-digit numbers 11, 21, 31, 12, 22, 32, 13, 23, and 33. The first digit indicates the quality of the ionogram, and the second digit the readability of the value of $f_x F_2$.

The errors which can arise in reading and analyzing the records and the accuracy of the computed $N(h, t)$ and $H(h, t)$ data have been discussed in references 3 and 4. For a good-quality ionogram (i. e., the first digit of the quality factor is 1 or 2) it is estimated that the height at which a given electron density is found is probably correct to ± 10 kilometers, the accuracy increasing with increasing height. The scale height is probably correct to ± 10 percent at heights less than 800 kilometers above which the accuracy decreases with increasing height.

In many cases, the ionogram trace does not extend to the critical frequency of the F_2 layer. In these circumstances, only the upper portion of the electron density profile is presented. It should be noted that the scale height at 1000 kilometers is omitted from the tabulations because of difficulties associated with ionogram scaling inaccuracies at frequencies just greater than f_{xs} . A blank column or space indicates that the missing profile or point was not considered accurate enough, upon final editing, to warrant inclusion in the data book.

References

1. Thomas, J. O.; Rycroft, M. J.; and Colin, L.: Electron Densities and Scale Heights in the Topside Ionosphere: Alouette I Observations in Midlatitudes. NASA SP-3026, 1966.
2. Anon.: Alouette, Satellite 1962 Beta Alpha One. Canadian Defence Research Board, Ottawa, Canada, 1962.
3. Thomas, J. O.; Briggs, B. R.; Colin, L.; Rycroft, M. J.; and Covert, Margaret: Ionosphere Topside Sounder Studies I: The Reduction of Alouette I Ionograms to Electron Density Profiles. NASA TN D-2882, 1965.
4. Thomas, J. O.; Rycroft, M. J.; Covert, Margaret; Briggs, B. R.; and Colin, L.: Ionosphere Topside Sounder Studies II: The Calculation of the Electron Density and the Magnetic Field Parameters at the Alouette I Orbit. NASA TN D-2921, 1965.
5. Jensen, D. C.; and Cain, J. C.: An Interim Geomagnetic Field. J. Geophys. Res., vol. 67, no. 9, Aug. 1962, p. 3568.

**Index of Tabulation
and
Tabulation of Electron Density
and Scale Height**

Symbols, Abbreviations, and Units in Tabulations

N	electron density, 10^5 per cm^3
h	real height above the ground, km
Pass	pass number of Alouette I
UT	universal time
Date	given as $\begin{matrix} \text{XX} & \text{XX} & \text{XX} \\ \text{year,} & \text{month,} & \text{day} \end{matrix}$; all zeros are suppressed
Time	given as $\begin{matrix} \text{XX} & \text{XX} & \text{XX} \\ \text{hour,} & \text{minute,} & \text{second} \end{matrix}$; all zero digits on extreme left are suppressed
LONG	geographic longitude, deg; positive sign indicates longitude east of Greenwich, negative sign, west of Greenwich
LAT	geographic latitude, deg; positive sign indicates northern latitude, negative sign, southern latitude
QUAL	quality factor for the ionogram, coded in two-digit numbers (11, 21, 31, 12, 22, 32, 13, 23, and 33) and defined as follows:

First Digit

- 1 Excellent quality ionogram. Extraordinary trace is narrow, of high contrast, easily identifiable, possesses only small gaps and cannot be confused with ordinary trace, spreading or resonances anywhere along its extent. No spurious responses.
- 2 Good quality ionogram. Extraordinary trace is not too spread, of good contrast, fairly easily identifiable along most of its extent, any large gaps are easily interpolated and no major confusion exists with the ordinary trace, spreading or resonances, or spurious responses.
- 3 Poor quality ionogram, but readable. Considerable spreading, lack of contrast, overlapping traces and resonances, spurious traces, etc. Cause somewhat questionable scaling accuracies.

Second Digit

- 1 $f_x F_2$ clearly visible and read.
- 2 $f_x F_2$ not quite visible but highest visible frequency close to $f_x F_2$ or presence of ground reflections would allow an estimate of $f_x F_2$.
- 3 $f_x F_2$ not visible.

ALOUETTE I Telemetry Receiving Sites

AGASTA	Antofagasta, Chile
COLEGE	College, Alaska, U. S. A.
FTMYRS	Ft. Meyers, Florida, U. S. A.
GFORKS	East Grand Forks, Minnesota, U. S. A.
OTTAWA	Ottawa, Canada
PRINCE	Prince Albert, Canada
QUITOE	Quito, Ecuador
RESLUT	Resolute Bay, N. W. T..
SOLANT	South Atlantic Station
STJOHN	St. Johns, Newfoundland

Table II. —Index of Tabulations

STATION	PASS	MO	DD	YR	BEG UT	END UT	BEG LT	END LT	BEG DIP	END DIP	BEG LAT	END LAT	BEG LONG	END LONG	NO. ION
COLEGE	0447	11	01	62	2358	0007	1150	1713	84	80	80N	57N	178E	103W	11
PRINCE	0447	11	01	62	0010	0017	1729	1756	75	55	49N	25N	100W	095W	11
FTMYRS	0447	11	01	62	0017	0025	1758	1815	53	18	23N	00	094W	092W	11
QUITOE	0447	11	01	62	0018	0029	1800	1825	51	-09	21N	14S	094W	091W	07
SOLANT	0447	11	01	62	0038	0047	1855	2046	-50	-67	46S	74S	085W	060W	16
RESLUT	0460	11	01	62	2251	2258	1322	1658	86	82	79N	60N	142W	090W	10
QUITOE	0460	11	01	62	2313	2323	1800	1824	39	-19	10N	23S	078W	074W	12
AGASTA	0460	11	01	62	2321	2331	1818	1850	-05	-48	15S	48S	075W	070W	13
SOLANT	0460	11	01	62	2325	2338	1829	2008	-29	-65	30S	71S	073W	052W	20
RESLUT	0472	11	02	62	1957	2004	1259	1649	89	78	80N	61N	104W	048W	06
FTMYRS	0474	11	02	62	2342	2354	1729	1800	69	16	40N	01S	093W	088W	18
QUITOE	0474	11	02	62	2348	0001	1746	1817	48	-25	18N	25S	090W	085W	14
AGASTA	0474	11	02	62	2359	0007	1811	1839	-12	-49	17S	46S	086W	082W	13
RESLUT	0487	11	03	62	2218	2227	1024	1640	84	83	79N	61N	178W	086W	27
OTTAWA	0487	11	03	62	2231	2239	1709	1736	75	55	47N	22N	080W	075W	12
QUITOE	0487	11	03	62	2238	2250	1733	1812	59	-03	26N	14S	076W	072W	19
AGASTA	0487	11	03	62	2251	2300	1804	1837	-09	-49	18S	49S	071W	065W	12
SOLANT	0487	11	03	62	2254	2306	1811	1925	-24	-62	27N	67S	070W	055W	20
SOLANT	0493	11	04	62	0952	0959	0425	0513	-68	-43	64S	41S	081W	071W	12
AGASTA	0493	11	04	62	1009	1012	0542	0550	07	30	09S	03N	066W	065W	04
QUITOE	0493	11	04	62	1015	1018	0556	0602	43	52	12N	20N	064W	063W	04
FTMYRS	0494	11	04	62	1017	1019	0601	0606	50	57	18N	25N	064W	063W	03
OTTAWA	0494	11	04	62	1021	1024	0612	0622	62	69	31N	41N	062W	060W	02
RESLUT	0501	11	04	62	2258	2305	1305	1636	85	82	79N	60N	148W	097W	06
OTTAWA	0501	11	04	62	2305	2314	1639	1720	81	62	59N	31N	096W	088W	07
AGASTA	0501	11	04	62	2329	2336	1758	1823	-15	-47	20S	45S	082W	078W	11
SOLANT	0501	11	04	62	2333	2343	1809	1922	-35	-63	33S	68S	080W	065W	16
AGASTA	0507	11	05	62	1038	1040	0511	0517	-39	-31	36S	30S	081W	080W	04
QUITOE	0507	11	05	62	1049	1051	0541	0544	27	33	01N	06N	077W	076W	02
OTTAWA	0508	11	05	62	1107	1107	0645	0651	80	80	59N	64N	065W	061W	03
RESLUT	0508	11	05	62	1107	1115	0647	1103	80	83	59N	80N	064W	002W	06
RESLUT	0528	11	06	62	2225	2235	1104	1626	84	81	80N	57N	170W	092W	25
OTTAWA	0528	11	06	62	2238	2245	1646	1712	75	55	47N	23N	088W	083W	13
AGASTA	0528	11	06	62	2255	2307	1734	1816	05	-51	09S	51S	080W	072W	13

Table II. — Index of Tabulations - Continued

STATION	PASS	MO	DD	YR	BEG UT	END UT	BEG LT	END LT	BEG DIP	END DIP	BEG LAT	END LAT	BEG LONG	END LONG	NO. ION
SOLANT	0528	11	06	62	2304	2312	1800	1905	-41	-63	40S	67S	075W	061W	11
AGASTA	0534	11	07	62	1008	1010	0458	0506	-35	-22	34S	25S	077W	076W	05
RESLUT	0541	11	07	62	2116	2125	0926	1603	83	83	79N	63N	177W	080W	28
OTTAWA	0541	11	07	62	2132	2139	1649	1708	70	49	39N	17N	070W	067W	10
QUITOE	0541	11	07	62	2140	2150	1711	1736	44	-14	13N	21S	067W	063W	10
AGASTA	0541	11	07	62	2149	2157	1732	1757	-07	-43	17S	43S	064W	059W	08
SOLANT	0541	11	07	62	2153	2207	1742	2006	-27	-67	29S	75S	062W	030W	20
RESLUT	0562	11	09	62	1007	1009	0638	0716	80	85	66N	80N	052W	043W	03
RESLUT	0569	11	09	62	2237	2240	1452	1545	85	83	71N	63N	116W	103W	03
FTMYRS	0569	11	09	62	2249	2259	1638	1704	65	21	34N	00	092W	088W	11
QUITOE	0569	11	09	62	2257	2307	1700	1724	31	-28	06N	27S	089W	085W	13
AGASTA	0569	11	09	62	2305	2313	1718	1749	-16	-51	19S	49S	086W	081W	14
SOLANT	0569	11	09	62	2314	2321	1753	1910	-53	-66	51S	72S	080W	062W	11
OTTAWA	0582	11	10	62	2134	2142	1603	1636	79	60	54N	28N	082W	076W	13
QUITOE	0582	11	10	62	2146	2154	1647	1704	45	03	14N	11S	074W	072W	08
SOLANT	0582	11	10	62	2201	2214	1725	2007	-35	-68	35S	77S	069W	031W	18
SOLANT	0588	11	11	62	0856	0905	0319	0422	-65	-39	67S	38S	084W	070W	14
OTTAWA	0589	11	11	62	0934	0934	0554	0559	77	78	57N	59N	054W	053W	02
RESLUT	0596	11	11	62	2204	2211	1326	1550	86	80	77N	56N	129W	095W	03
OTTAWA	0596	11	11	62	2212	2219	1559	1627	78	61	52N	30N	093W	088W	12
QUITOE	0596	11	11	62	2223	2232	1636	1657	49	-01	18N	12S	086W	083W	16
AGASTA	0596	11	11	62	2234	2243	1703	1735	-17	-51	20S	50S	082W	076W	13
SOLANT	0596	11	11	62	2238	2251	1715	1922	-36	-67	34S	74S	080W	052W	21
RESLUT	0623	11	13	62	2130	2139	0913	1522	84	83	79N	61S	175E	094W	04
QUITOE	0623	11	13	62	2153	2203	1623	1648	45	-16	14N	21S	082W	078W	15
SOLANT	0623	11	13	62	2209	2219	1706	1845	-42	-66	40S	72S	075W	053W	16
RESLUT	0630	11	14	62	0949	0952	0911	0616	83	84	79N	76N	009W	054W	06
RESLUT	0636	11	14	62	2024	2030	1152	1507	87	87	79N	72N	127W	080W	03
AGASTA	0636	11	14	62	2054	2101	1637	1659	-05	-41	16S	40S	064W	060W	09
SOLANT	0636	11	14	62	2057	2111	1647	1845	-26	-66	28S	73S	062W	036W	18
RESLUT	0650	11	15	62	2101	2105	1137	1423	86	86	79N	70N	140W	100W	08
AGASTA	0650	11	15	62	2131	2141	1628	1700	-05	-47	15S	46S	075W	070W	16
SOLANT	0650	11	15	62	2136	2147	1641	1806	-31	-64	31S	69S	073W	055W	17
SOLANT	0656	11	16	62	0833	0842	0258	0348	-62	-34	62S	33S	083W	073W	13

Table II. —Index of Tabulations - Continued

STATION	PASS	MO	DD	YR	BEG UT	END UT	BEG LT	END LT	BEG DIP	END DIP	BEG LAT	END LAT	BEG LONG	END LONG	NO. ION
AGASTA	0656	11	16	62	0844	0853	0354	0415	-26	20	28S	02S	072W	069W	02
QUITOE	0656	11	16	62	0852	0856	0414	0423	24	44	00	13N	069W	068W	04
QUITOE	0670	11	17	62	0935	0936	0417	0422	47	54	16N	22N	079W	078W	02
RESLUT	0671	11	17	62	0951	0957	0553	0831	83	83	69N	79N	059W	021W	07
RESLUT	0677	11	17	62	2031	2037	1140	1449	86	83	79N	61N	132W	086W	11
QUITOE	0677	11	17	62	2052	2103	1555	1621	41	-22	10N	26S	074W	070W	16
SOLANT	0677	11	17	62	2103	2119	1621	1859	-22	-68	26S	76S	070W	035W	24
SOLANT	0683	11	18	62	0802	0811	0237	0330	-62	-37	64S	36S	081W	070W	08
RESLUT	0691	11	18	62	2109	2116	1235	1452	86	81	77N	57N	128W	095W	07
SOLANT	0691	11	18	62	2145	2157	1627	1913	-43	-68	40S	77S	079W	040W	14
RESLUT	0704	11	19	62	2002	2007	1258	1438	88	82	75N	60N	105W	082W	04
OTTAWA	0704	11	19	62	2008	2016	1447	1525	80	62	56N	29N	080W	072W	14
AGASTA	0724	11	21	62	0817	0819	0306	0312	-38	03	36S	11S	077W	076W	04
QUITOE	0724	11	21	62	0833	0833	0345	0345	47	47	15N	15N	071W	071W	01
RESLUT	0745	11	22	62	2005	2016	0846	1432	84	78	80N	52N	169W	085W	08
RESLUT	0772	11	24	62	1936	1944	1107	1410	86	80	78N	55N	127W	083W	11
OTTAWA	0772	11	24	62	1944	1954	1410	1453	80	53	55N	20N	083W	075W	12
QUITOE	0772	11	24	62	1952	2006	1447	1520	60	-09	27N	18S	076W	071W	19
AGASTA	0772	11	24	62	2008	2015	1524	1552	-19	-49	24S	49S	070W	065W	13
SOLANT	0778	11	25	62	0707	0715	0138	0234	-63	-37	65S	37S	082W	070W	11
RESLUT	0786	11	25	62	2012	2013	0926	1013	85	85	80N	79N	161W	149W	03
OTTAWA	0786	11	25	62	2022	2031	1407	1442	78	56	53N	24N	093W	087W	10
QUITOE	0786	11	25	62	2030	2045	1439	1516	58	-22	27N	24S	087W	082W	13
AGASTA	0786	11	25	62	2044	2052	1513	1543	-15	-50	20S	48S	082W	077W	15
SOLANT	0786	11	25	62	2049	2102	1528	1831	-39	-69	36S	78S	080W	037W	23
RESLUT	0793	11	26	62	0823	0831	0411	1011	81	82	62N	79N	062W	024E	18
RESLUT	0840	11	29	62	1911	1920	1007	1334	86	79	79N	54N	136W	086W	10
SOLANT	0840	11	29	62	1945	2000	1450	1731	-28	-68	29S	76S	073W	037W	24
RESLUT	0861	12	01	62	0804	0804	0551	0551	83	83	78N	78N	033W	033W	01
SOLANT	0873	12	02	62	0613	0621	0052	0142	-61	-34	63S	34S	080W	069W	11
RESLUT	0881	12	02	62	1922	1925	1209	1300	86	81	70N	58N	108W	096W	08
SOLANT	0881	12	02	62	1952	1957	1429	1448	-33	-50	32S	48S	080W	077W	04
AGASTA	0887	12	03	62	0659	0659	0136	0136	-34	-34	32S	32S	080W	080W	01
RESLUT	0888	12	03	62	0734	0736	0621	0658	83	83	79N	80N	018W	009W	03

Table II. —Index of Tabulations - Continued

STATION	PASS	MO	DD	YR	BEG UT	END UT	BEG LT	END LT	BEG DIP	END DIP	BEG LAT	END LAT	BEG LONG	END LONG	NO. ION
RESLUT	0908	12	04	62	1845	1854	0651	1237	84	83	80N	61N	178W	094W	28
OTTAWA	0908	12	04	62	1900	1904	1314	1328	72	60	42N	28N	086W	083W	06
QUITOE	0908	12	04	62	1908	1919	1340	1405	43	-19	13N	23S	082W	078W	18
AGASTA	0908	12	04	62	1915	1926	1355	1430	05	-48	09S	46S	079W	074W	12
SOLANT	0908	12	04	62	1921	1936	1411	1702	-29	-68	30S	77S	077W	038W	25
AGASTA	0914	12	05	62	0627	0633	0115	0132	-40	-10	38S	18S	078W	075W	04
RESLUT	0915	12	05	62	0701	0705	0421	0613	82	83	74N	80N	040W	012W	06
RESLUT	0935	12	06	62	1823	1823	1216	1220	84	83	63N	61N	091W	090W	02
SOLANT	0935	12	06	62	1851	1905	1358	1608	-33	-68	33S	76S	073W	044W	22
SOLANT	0941	12	07	62	0549	0552	0020	0038	-60	-54	60S	52S	082W	078W	05
RESLUT	0942	12	07	62	0627	0634	0256	0758	80	83	65N	80N	052W	021E	07
RESLUT	0949	12	07	62	1853	1901	0811	1219	85	81	80N	59N	160W	100W	10
PRINCE	0949	12	07	62	1903	1906	1232	1247	79	72	54N	44N	097W	094W	06
FTMYRS	0949	12	07	62	1908	1919	1256	1326	67	16	37N	02S	092W	088W	18
QUITOE	0949	12	07	62	1918	1922	1311	1331	50	05	20N	07S	090W	087W	16
AGASTA	0949	12	07	62	1932	1933	1402	1407	-46	-50	43S	47S	082W	081W	03
SOLANT	0949	12	07	62	1931	1940	1400	1516	-45	-65	42S	70S	082W	065W	15
SOLANT	0968	12	09	62	0518	0526	2356	0047	-62	-35	63S	35S	080W	069W	16
FTMYRS	0969	12	09	62	0546	0546	0137	0137	62	62	31N	31N	062W	062W	01
AGASTA	0982	12	10	62	0604	0606	0040	0047	-35	-24	33S	26S	080W	079W	04
OTTAWA	1003	12	11	62	1803	1809	1211	1235	76	58	48N	26N	088W	083W	12
QUITOE	1003	12	11	62	1812	1826	1241	1316	49	-30	18N	30S	082W	077W	18
SOLANT	1003	12	11	62	1827	1840	1320	1456	-35	-65	34S	71S	076W	055W	15
RESLUT	1030	12	13	62	1722	1730	0842	1144	86	79	78N	54N	129W	086W	11
SOLANT	1030	12	13	62	1758	1811	1309	1634	-39	-69	30S	78S	072W	024W	12
AGASTA	1036	12	14	62	0502	0506	0007	0019	-36	-16	35S	22S	073W	071W	07
RESLUT	1057	12	15	62	1657	1658	1106	1115	84	82	63N	60N	087W	085W	04
QUITOE	1057	12	15	62	1720	1724	1233	1243	-01	-24	14S	27S	071W	070W	07
SOLANT	1057	12	15	62	1725	1737	1245	1422	-28	-65	30S	71S	069W	048W	16
FTMYRS	1064	12	16	62	0451	0452	0043	0045	63	64	32N	34N	062W	061W	02
RESLUT	1078	12	17	62	0539	0545	0137	0459	81	83	65N	80N	060W	011W	12
RESLUT	1098	12	18	62	1655	1704	0449	1053	84	82	79N	59N	178E	092W	15
RESLUT	1105	12	19	62	0507	0514	0105	0357	80	83	60N	80N	060W	007W	14
RESLUT	1125	12	20	62	1631	1634	1008	1039	85	82	67N	58N	095W	088W	09

Table II.—Index of Tabulations - Continued

STATION	PASS	MO	DD	YR	BEG UT	END UT	BEG LT	END LT	BEG DIP	END DIP	BEG LAT	END LAT	END LONG	NO. ION
OTTAWA	1125	12	20	62	1639	1644	1109	1125	71	58	41N	25N	082W	08
SOLANT	1125	12	20	62	1701	1710	1207	1259	-30	-59	30S	62S	073W	11
SOLANT	1131	12	21	62	0400	0407	2237	2312	-58	-36	58S	35S	080W	09
AGASTA	1131	12	21	62	0407	0411	2311	2326	-38	-13	20S	02S	071W	10
RESLUT	1132	12	21	62	0441	0445	0221	0650	82	83	75N	79N	034W	07
AGASTA	1145	12	22	62	0445	0449	2306	2317	-37	-17	34S	21S	084W	07
RESLUT	1179	12	24	62	1524	1532	0522	1003	85	82	80N	60N	150W	12
OTTAWA	1179	12	24	62	1537	1542	1036	1054	72	59	43N	26N	075W	08
SOLANT	1179	12	24	62	1558	1613	1132	1408	-22	-68	26S	76S	066W	27
RESLUT	1193	12	25	62	1607	1611	0936	1012	85	79	66N	53N	097W	12
OTTAWA	1193	12	25	62	1614	1621	1027	1050	73	52	44N	20N	086W	09
QUITOE	1193	12	25	62	1623	1632	1054	1116	45	-07	14N	16S	082W	16
AGASTA	1193	12	25	62	1633	1642	1117	1148	-12	-49	18S	48S	078W	14
SOLANT	1193	12	25	62	1638	1651	1131	1426	-35	-69	34S	77S	076W	20
OTTAWA	1214	12	27	62	0447	0447	2348	2348	79	79	54N	54N	074W	01
RESLUT	1261	12	30	62	1545	1548	0914	0936	82	77	61N	51N	097W	09
OTTAWA	1261	12	30	62	1549	1557	0943	1010	75	52	47N	21N	091W	15
QUITOE	1261	12	30	62	1559	1611	1017	1045	41	-27	12N	27S	085W	19
AGASTA	1261	12	30	62	1608	1618	1036	1109	-07	-50	15S	48S	082W	16
SOLANT	1261	12	30	62	1614	1627	1052	1328	-37	-68	35S	76S	080W	17
OTTAWA	1261	12	31	62	0338	0347	2243	2327	61	80	28N	59N	073W	05
RESLUT	1274	12	31	62	1429	1436	0440	0857	85	84	80N	64N	147W	17
AGASTA	1274	12	31	62	1502	1509	1034	1100	-17	-47	23S	47S	066W	12
SOLANT	1274	12	31	62	1504	1519	1039	1345	-26	-69	29S	77S	066W	25
RESLUT	1301	01	02	63	1403	1406	0805	0849	87	83	71N	61N	089W	11
OTTAWA	1301	01	02	63	1411	1414	0926	0936	72	64	43N	32N	071W	06
QUITOE	1301	01	02	63	1426	1431	1006	1020	14	-20	05S	24S	064W	10
SOLANT	1301	01	02	63	1432	1444	1021	1126	-23	-60	26S	65S	062W	13
RESLUT	1309	01	03	63	0401	0403	0306	0528	83	82	80N	79N	013W	04
SOLANT	1321	01	04	63	0210	0215	2044	2115	-59	-44	59S	42S	081W	10
RESLUT	1322	01	04	63	0249	0255	2355	0540	82	83	72N	79N	043W	17
RESLUT	1340	01	05	63	1036	1040	0622	0808	86	79	77N	66N	063W	12
RESLUT	1356	01	06	63	1444	1452	0626	0840	86	78	76N	52N	124W	20
OTTAWA	1356	01	06	63	1454	1502	0847	0916	75	51	48N	20N	091W	13

Table II. —Index of Tabulations - Continued

STATION	PASS	MO	DD	YR	BEG UT	END UT	BEG LT	END LT	BEG DIP	END DIP	BEG LAT	END LAT	BEG LONG	END LONG	NO. ION
QUITOE	1356	01	06	63	1506	1517	0925	0952	35	-30	08N	29S	085W	081W	15
AGASTA	1356	01	06	63	1514	1522	0944	1012	-14	-49	19S	46S	082W	077W	07
SOLANT	1356	01	06	63	1518	1533	0957	1316	-36	-69	34S	78S	080W	034W	22
RESLUT	1369	01	07	63	1339	1342	0746	0814	86	82	67N	60N	088W	081W	08
OTTAWA	1369	01	07	63	1348	1353	0850	0907	71	55	40N	22N	074W	071W	10
FTMYRS	1369	01	07	63	1353	1359	0906	0920	56	31	23N	03N	071W	069W	09
QUITOE	1369	01	07	63	1358	1407	0920	0940	32	-18	04N	24S	069W	066W	14
SOLANT	1369	01	07	63	1407	1424	0941	1242	-20	-69	25S	77S	066W	025W	23
RESLUT	1383	01	08	63	1417	1419	0734	0807	86	82	68N	62N	100W	094W	07
OTTAWA	1383	01	08	63	1421	1429	0819	0855	80	59	55N	27N	090W	083W	14
QUITOE	1383	01	08	63	1434	1446	0908	0938	38	-31	09N	30S	081W	077W	19
AGASTA	1383	01	08	63	1444	1453	0930	1005	-17	-52	21S	52S	078W	072W	16
SOLANT	1383	01	08	63	1446	1502	0935	1249	-26	-69	27S	78S	077W	033W	26
RESLUT	1396	01	09	63	1307	1310	0659	0742	87	84	72N	65N	091W	081W	08
OTTAWA	1396	01	09	63	1312	1323	0806	0852	80	54	57N	22N	076W	067W	16
QUITOE	1396	01	09	63	1326	1331	0900	0910	40	16	10N	04S	066W	065W	06
SOLANT	1396	01	09	63	1336	1351	0924	1107	-18	-65	24S	71S	062W	041W	25
RESLUT	1431	01	12	63	0230	0238	2214	0513	82	82	65N	78N	063W	038E	15
AGASTA	1437	01	12	63	1338	1350	0849	0927	09	-48	08S	48S	072W	065W	22
SOLANT	1437	01	12	63	1434	1356	0902	1023	-22	-63	25S	68S	070W	053W	21
QUITOE	1443	01	13	63	0100	0100	2035	2037	12	16	06S	04S	066W	065W	02
FTMYRS	1444	01	13	63	0108	0112	2054	2105	52	63	20N	33N	063W	061W	05
RESLUT	1458	01	14	63	0158	0207	2145	0426	81	82	62N	78N	063W	034E	14
RESLUT	1464	01	14	63	1238	1246	0134	0714	84	83	80N	62N	166W	083W	12
OTTAWA	1464	01	14	63	1252	1257	0752	0809	72	58	43N	26N	075W	072W	11
QUITOE	1464	01	14	63	1257	1313	0810	0846	58	-21	25N	25S	071W	066W	23
SOLANT	1464	01	14	63	1313	1329	0846	1153	-21	-69	25S	77S	066W	024W	28
RESLUT	1478	01	15	63	1315	1325	0046	0718	84	81	79N	57N	172E	091W	33
OTTAWA	1478	01	15	63	1326	1336	0723	0805	80	53	55N	21N	090W	082W	17
FTMYRS	1478	01	15	63	1335	1343	0802	0822	57	16	25N	03S	083W	080W	13
AGASTA	1478	01	15	63	1348	1357	0833	0904	-11	-49	18S	48S	078W	073W	16
SOLANT	1478	01	15	63	1351	1405	0842	1053	-29	-67	29S	74S	077W	048W	23
RESLUT	1491	01	16	63	1212	1216	0552	0707	88	81	73N	59N	094W	077W	09
OTTAWA	1491	01	16	63	1222	1228	0738	0758	71	52	42N	20N	070W	067W	03*

Table II.—Index of Tabulations - Continued

STATION	PASS	MO	DD	YR	BEG UT	END UT	BEG LT	END LT	BEG DIP	END DIP	BEG LAT	END LAT	BEG LONG	END LONG	NO. ION
QUITOE	1491	01	16	63	1228	1240	0757	0826	54	-11	22N	19S	067W	063W	11
AGASTA	1491	01	16	63	1241	1249	0828	0858	-16	-49	22S	49S	063W	057W	14
SOLANT	1491	01	16	63	1248	1257	0851	1054	-45	-67	44S	75S	059W	030W	15
AGASTA	1498	01	17	63	0137	0144	1946	2004	-33	11	30S	05S	087W	084W	12
QUITOE	1498	01	17	63	0141	0144	1958	2004	-06	09	14S	06S	085W	085W	03
RESLUT	1499	01	17	63	0205	0211	2128	0100	82	83	63N	79N	069W	017W	02
RESLUT	1518	01	18	63	1135	1144	2353	0630	83	84	78N	65N	175W	178W	06
OTTAWA	1518	01	18	63	1149	1157	0714	0740	74	55	47N	23N	068W	064W	11
AGASTA	1518	01	18	63	1206	1215	0803	0827	08	-38	08S	38S	060W	056W	16
SOLANT	1518	01	18	63	1219	1225	0847	0954	-51	-64	52S	71S	053W	037W	11
AGASTA	1525	01	19	63	0105	0110	1926	1941	-37	-09	34S	16S	084W	082W	10
QUITOE	1525	01	19	63	0112	0116	1945	1954	02	-27	10S	02N	081W	080W	07
RESLUT	1526	01	19	63	0135	0136	2126	2135	82	83	67N	68N	062W	060W	02
AGASTA	1538	01	19	63	2358	0006	1922	1943	-29	20	30S	02S	068W	065W	11
QUITOE	1538	01	20	63	0006	0013	1943	1959	20	52	02S	20N	065W	063W	03
FTMYRS	1539	01	20	63	0013	0015	1958	2006	51	59	19N	28N	063W	062W	04
RESLUT	1546	01	20	63	1257	1301	0547	0637	86	81	70N	58N	107W	095W	06
QUITOE	1546	01	20	63	1314	1326	0731	0759	44	-25	14N	26S	085W	081W	19
AGASTA	1546	01	20	63	1324	1333	0755	0826	-17	-51	21S	49S	082W	076W	15
SOLANT	1546	01	20	63	1335	1342	0840	1100	-56	-69	56S	77S	073W	040W	08
AGASTA	1552	01	21	63	0033	0040	1906	1926	-41	-06	38S	15S	081W	078W	12
QUITOE	1559	01	21	63	1204	1214	0718	0742	53	01	21N	12S	071W	067W	12
AGASTA	1559	01	21	63	1217	1225	0750	0819	-18	-49	24S	49S	066W	061W	11
SOLANT	1559	01	21	63	1227	1233	0832	1022	-55	-68	56S	76S	058W	032W	07
RESLUT	1567	01	22	63	0147	0148	0041	0102	83	83	80N	80N	016W	011W	02
RESLUT	1573	01	22	63	1224	1229	0442	0611	86	83	75N	62N	115W	094W	12
OTTAWA	1573	01	22	63	1234	1239	0646	0704	73	60	45N	28N	086W	083W	09
QUITOE	1573	01	22	63	1243	1252	0716	0736	43	-07	13N	16S	081W	078W	16
AGASTA	1573	01	22	63	1253	1302	0738	0809	-11	-49	18S	48S	078W	073W	08
SOLANT	1573	01	22	63	1257	1312	0750	1103	-33	-69	33S	78S	076W	032W	20
RESLUT	1586	01	23	63	1117	1121	0501	0611	88	81	73N	59N	093W	077W	13
OTTAWA	1586	01	23	63	1128	1133	0647	0703	69	52	39N	20N	070W	067W	08
QUITOE	1586	01	23	63	1133	1147	0702	0736	54	-20	22N	22S	067W	063W	19
SOLANT	1586	01	23	63	1149	1203	0743	1040	-32	-69	33S	77S	061W	020W	24

Table II. —Index of Tabulations - Concluded

STATION	PASS	MO	DD	YR	BEG UT	END UT	BEG LT	END LT	BEG DIP	END DIP	BEG LAT	END LAT	BEG LONG	END LONG	NO. ION
AGASTA	1593	01	24	63	0042	0049	1851	1909	-33	09	30S	06S	087W	085W	08
QUITOE	1593	01	24	63	0046	0047	1901	1903	-12	-06	17S	14S	086W	085W	02
OTTAWA	1594	01	24	63	0108	0108	2017	2017	81	81	58N	58N	072W	072W	01
RESLUT	1594	01	24	63	0116	0116	2340	2340	83	83	79N	79N	023W	023W	01
COLEGE	1614	01	25	63	1231	1233	0431	0520	86	85	74N	68N	120W	108W	04
PRINCE	1614	01	25	63	1243	1243	0632	0634	67	65	37N	35N	092W	092W	02
FTMYRS	1614	01	25	63	1243	1254	0634	0700	65	23	35N	01N	092W	088W	03
QUITOE	1614	01	25	63	1251	1303	0656	0724	34	-33	08N	30S	088W	084W	20
AGASTA	1614	01	25	63	1302	1307	0722	0738	-28	-46	27S	43S	085W	082W	06
AGASTA	1620	01	26	63	0010	0019	1832	1855	-36	14	33S	04S	084W	080W	10
QUITOE	1620	01	26	63	0017	0018	1850	1854	00	12	11S	05S	081W	081W	03
OTTAWA	1621	01	26	63	0035	0036	1946	1947	77	77	51N	52N	072W	072W	02
RESLUT	1621	01	26	63	0044	0048	2219	0234	83	82	77N	79N	036W	026E	03
RESLUT	1641	01	27	63	1204	1207	0527	0551	83	79	63N	54N	099W	094W	07
OTTAWA	1641	01	27	63	1211	1216	0611	0629	71	56	42N	24N	089W	086W	06
QUITOE	1641	01	27	63	1219	1232	0637	0708	44	-30	14N	29S	085W	081W	21
AGASTA	1647	01	27	63	2338	2347	1813	1836	-40	07	37S	08S	081W	077W	16
OTTAWA	1648	01	28	63	0003	0004	1923	1930	74	76	46N	51N	070W	068W	02
RESLUT	1648	01	28	63	0008	0015	2003	0001	81	83	64N	80N	061W	003W	04
OTTAWA	1654	01	28	63	1106	1107	0616	0619	62	59	30N	27N	072W	072W	02
AGASTA	1654	01	28	63	1118	1127	0646	0710	03	-39	11S	39S	068W	064W	14
SOLANT	1654	01	28	63	1130	1140	0727	1050	-51	-70	51S	79S	060W	012W	15
RESLUT	1668	01	29	63	1131	1134	0439	0520	86	83	70N	61N	103W	093W	10
AGASTA	1668	01	29	63	1156	1205	0639	0703	-01	-43	13S	41S	079W	075W	16
SOLANT	1668	01	29	63	1212	1217	0759	1002	-62	-69	66S	78S	063W	033W	08

Table III. —Tabulation of Electron Density and Scale Height

PASS 447 AT COLEGE, 6211 1							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	235818	235913	235949	139	310	346	423
1000	0.077	0.248	0.208	0.134	0.133	0.085	0.083
950	0.066	0.274	0.227	0.147	0.151	0.096	0.092
900	0.098	0.306	0.250	0.166	0.172	0.109	0.104
850	0.113	0.341	0.278	0.190	0.195	0.125	0.123
800	0.129	0.379	0.315	0.218	0.221	0.150	0.148
750	0.147	0.425	0.358	0.252	0.251	0.177	0.175
700	0.167	0.480	0.407	0.293	0.296	0.206	0.205
650	0.194	0.545	0.465	0.340	0.353	0.256	0.250
600	0.228	0.637	0.535	0.394	0.427	0.322	0.306
550	0.278	0.752	0.638	0.463	0.521	0.410	0.380
500	0.347	0.917	0.787	0.550	0.666	0.520	0.482
450	0.448	1.138	1.014	0.677	0.870	0.684	0.622
400	0.588	1.438	1.414	0.875	1.224	0.908	0.814
350	0.787	1.874	2.064	1.197	1.757	1.201	1.163
300	1.074	2.463	2.806	1.650		1.602	1.902
HEIGHT	SCALE HEIGHT, KM						
	408.2	480.9	539.6	458.8	392.1	402.5	433.6
950	408.2	480.9	539.6	458.8	392.1	402.5	433.6
900	382.2	459.6	488.4	402.8	395.0	370.0	360.7
850	369.7	456.7	433.8	368.9	385.2	331.4	324.2
800	366.6	450.9	408.7	350.7	365.9	292.2	292.6
750	366.3	415.0	389.4	345.7	345.6	281.1	285.4
700	360.1	387.5	381.0	343.9	315.2	270.0	278.1
650	323.4	359.5	360.0	334.9	284.8	246.7	262.2
600	286.6	320.5	319.1	316.1	256.7	222.3	245.7
550	249.4	282.1	270.2	291.8	229.6	208.7	227.2
500	211.0	249.9	221.6	266.2	202.2	198.5	206.0
450	192.0	225.3	179.0	228.9	174.5	186.9	187.9
400	180.5	208.1	141.2	181.6	142.7	178.7	166.5
350	167.6	185.2	146.0	158.9	138.1	176.3	123.4
300	153.8	210.8	193.5	154.7		166.9	120.2
LONG	178.13	-165.34	-152.67	-128.73	-117.64	-114.71	-112.13
LAT	80.34	80.16	79.52	75.86	71.79	70.03	68.18
QUAL	33	33	33	33	33	33	33

Table III.—Continued

PASS 447 AT COLEGE, 6211 1				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	459	536	707	743
1000	0.052	0.038	0.051	0.056
950	0.064	0.046	0.064	0.068
900	0.076	0.056	0.078	0.082
850	0.089	0.068	0.094	0.099
800	0.105	0.082	0.116	0.125
750	0.125	0.102	0.144	0.158
700	0.150	0.127	0.181	0.203
650	0.180	0.159	0.233	0.258
600	0.226	0.199	0.316	0.345
550	0.288	0.255	0.458	0.481
500	0.397	0.330	0.679	0.715
450	0.504	0.441	1.007	1.090
400	0.849	0.547	1.501	1.598
350	1.209	0.799	2.270	2.428
300	1.606	1.079	3.450	3.611
HEIGHT	SCALE HEIGHT, KM			
	459	536	707	743
950	276.1	249.0	245.8	260.0
900	307.0	252.2	248.5	253.4
850	304.2	248.2	246.1	239.9
800	290.2	242.1	239.3	226.6
750	276.2	235.9	232.1	213.4
700	262.3	229.8	209.9	202.3
650	248.3	221.2	180.7	191.4
600	221.7	211.0	152.2	166.3
550	191.0	199.1	137.3	141.8
500	140.8	186.4	129.2	125.0
450	134.0	177.5	126.0	125.3
400	137.4	170.9	124.0	126.4
350	149.1	167.9	119.3	118.2
300	167.6	162.9	136.2	163.4
LONG.	-109.88	-108.12	-104.54	-103.46
LAT	06.56	64.43	59.61	57.60
QUAL	33	33	33	33

Table III. —Continued

PASS 447 AT PRINCE, 6211 1								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	1007	1120	1156	1232	1309	1345	1458	1535
1000	0.087	0.102	0.099	0.113	0.110	0.108	0.119	0.113
950	0.099	0.113	0.111	0.121	0.122	0.118	0.126	0.122
900	0.114	0.129	0.127	0.134	0.135	0.128	0.134	0.130
850	0.135	0.151	0.147	0.152	0.152	0.142	0.144	0.140
800	0.161	0.175	0.171	0.174	0.174	0.160	0.157	0.156
750	0.196	0.208	0.202	0.201	0.200	0.180	0.178	0.177
700	0.240	0.252	0.242	0.239	0.232	0.207	0.208	0.204
650	0.306	0.308	0.292	0.289	0.265	0.249	0.246	0.236
600	0.396	0.389	0.374	0.362	0.354	0.309	0.295	0.289
550	0.539	0.511	0.488	0.463	0.461	0.407	0.387	0.376
500	0.781	0.701	0.671	0.637	0.625	0.559	0.526	0.512
450	1.163	1.006	0.942	0.923	0.899	0.759	0.716	0.714
400	1.702	1.429	1.304	1.315	1.305	1.080	0.993	1.005
350	2.500	2.026	1.828	1.914	1.921	1.666	1.440	1.448
300	3.536	2.808	2.563	2.838	2.815	2.502	2.161	2.214
HEIGHT	SCALE HEIGHT, KM							
	342.4	420.0	393.4	550.9	470.6	620.7	834.5	757.1
950	342.4	420.0	393.4	550.9	470.6	620.7	834.5	757.1
900	317.9	357.1	358.7	458.4	440.9	537.0	688.8	695.9
850	294.7	329.1	339.0	401.5	403.6	457.1	606.7	571.3
800	271.8	310.0	315.5	354.9	367.2	408.7	524.6	464.8
750	250.7	272.9	280.6	315.9	327.0	373.3	410.8	379.1
700	229.5	254.4	260.5	279.8	286.7	329.0	303.9	340.2
650	205.9	235.1	240.4	246.3	255.1	276.4	274.3	301.3
600	181.4	204.1	210.3	220.8	223.5	216.8	241.0	242.5
550	153.8	174.3	176.8	189.0	189.0	172.7	173.3	179.7
500	128.0	148.3	151.7	145.3	151.5	163.9	165.3	158.4
450	131.3	139.0	151.5	139.0	135.9	153.5	159.3	145.0
400	131.0	144.6	149.7	137.8	132.9	130.9	146.0	143.1
350	132.4	146.9	149.8	128.9	131.2	113.6	125.7	128.8
300	224.1	168.4	150.8	129.6	130.0	125.7	129.5	111.4
LONG	-100.14	-98.93	-98.40	-97.93	-97.47	-97.07	-96.33	-95.99
LAT	49.84	45.82	43.83	41.83	39.78	37.77	33.71	31.64
QUAL	32	33	33	33	33	33	33	33

Table III. — Continued

PASS 447 AT PRINCE, 6211 1			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	1611	1647	1724
1000	0.122	0.120	0.125
950	0.131	0.127	0.134
900	0.140	0.134	0.143
850	0.151	0.143	0.153
800	0.167	0.152	0.166
750	0.185	0.163	0.180
700	0.213	0.193	0.202
650	0.254	0.231	0.254
600	0.313	0.276	0.322
550	0.398	0.354	0.408
500	0.543	0.486	0.537
450	0.753	0.678	0.750
400	1.006	0.983	1.048
350	1.559	1.505	1.553
300	2.410	2.334	2.498
HEIGHT	SCALE HEIGHT, KM		
950	775.3	877.2	789.2
900	688.4	793.2	703.4
850	597.1	710.3	626.3
800	506.3	627.5	558.1
750	409.7	544.6	490.0
700	342.0	313.5	413.4
650	287.6	261.9	312.7
600	236.9	239.5	217.7
550	192.4	195.3	197.1
500	163.7	154.2	169.1
450	147.5	146.4	150.2
400	140.0	127.5	139.3
350	124.4	113.1	119.6
300	115.5	123.8	93.6
LONG	-95.08	-95.39	-95.11
LAT	29.62	27.61	25.53
QUAL	33	33	33

Table III. —Continued

PASS 447 AT FTHYRS, 6211 1								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	1758	1835	1912	1930	2047	2142	2218	2255
1000	0.136	0.136	0.146	0.154	0.175	0.199	0.199	0.211
950	0.144	0.144	0.155	0.163	0.186	0.207	0.211	0.224
900	0.152	0.153	0.166	0.172	0.196	0.221	0.228	0.240
850	0.162	0.163	0.178	0.184	0.209	0.238	0.247	0.260
800	0.177	0.177	0.193	0.202	0.231	0.262	0.272	0.288
750	0.197	0.200	0.217	0.227	0.262	0.296	0.311	0.326
700	0.226	0.227	0.251	0.261	0.299	0.344	0.369	0.387
650	0.269	0.272	0.298	0.314	0.360	0.421	0.446	0.482
600	0.336	0.342	0.383	0.407	0.460	0.542	0.585	0.663
550	0.443	0.451	0.516	0.542	0.627	0.742	0.829	0.981
500	0.608	0.629	0.723	0.763	0.877	1.061	1.232	1.547
450	0.846	0.889	1.037	1.099	1.242	1.561	1.968	2.752
400	1.215	1.292	1.527	1.710	2.030	2.568	3.516	5.262
350	1.819	2.053	2.462	2.802	3.619	4.787	6.702	9.989
300	3.136	3.411	3.925			9.016	12.125	
HEIGHT	SCALE HEIGHT, KM							
	904.5	893.5	922.6	896.3	924.4	1036.6	838.4	790.4
950	904.5	893.5	922.6	896.3	924.4	1036.6	838.4	790.4
900	822.7	841.6	742.0	777.0	814.0	765.9	644.8	679.7
850	675.7	689.9	646.4	646.7	633.8	597.7	565.2	559.7
800	541.7	537.8	519.4	514.2	505.5	464.1	445.9	446.9
750	423.6	398.0	416.6	403.1	397.1	384.0	332.0	333.1
700	332.2	336.2	328.2	321.1	328.6	298.0	288.6	271.4
650	259.8	253.4	252.0	220.1	237.1	226.8	245.3	203.6
600	206.2	206.6	182.2	183.1	184.8	183.4	172.5	144.7
550	168.3	163.8	160.3	161.2	158.4	150.1	132.0	123.3
500	155.8	146.8	142.6	144.8	140.4	136.1	119.7	100.9
450	146.5	141.1	135.1	125.1	119.3	117.7	96.3	79.5
400	131.7	120.7	119.4	106.5	99.0	89.3	81.5	74.0
350	111.7	97.7	105.4	99.3	85.2	74.2	76.4	78.3
300	78.8	110.1	105.9			82.3	97.6	
LONG	-94.86	-94.62	-94.37	-94.26	-93.79	-93.47	-93.27	-93.08
LAT	23.62	21.54	19.45	18.44	14.09	10.99	8.96	6.86
QUAL	23	33	33	33	33	33	23	23

Table III. —Continued

PASS 447 AT FIMYRS, 6211 1			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	2331	2408	2502
1000	0.225	0.229	0.246
950	0.239	0.246	0.267
900	0.256	0.265	0.294
850	0.279	0.292	0.330
800	0.311	0.330	0.387
750	0.357	0.389	0.477
700	0.431	0.487	0.624
650	0.551	0.654	0.896
600	0.776	0.961	1.511
550	1.202	1.579	3.106
500	2.068	3.110	5.760
450	4.126	6.290	8.446
400	8.352	11.372	12.310
350			
300			
HEIGHT	SCALE HEIGHT, KM		
	807.4	700.7	569.9
950	807.4	700.7	569.9
900	643.4	579.4	457.5
850	525.9	463.7	383.4
800	419.0	362.1	279.2
750	323.4	270.1	219.9
700	241.9	202.1	158.6
650	178.9	151.8	122.9
600	132.7	119.0	77.4
550	107.2	90.2	68.3
500	80.7	68.8	123.9
450	72.3	77.6	125.6
400	75.9	107.5	141.5
350			
300			
LONG	-92.58	-92.69	-92.40
LAT	4.03	2.74	-0.30
QUAL	23	23	23

Table III.—Continued

PASS 447 AT QUITOE, 6211 1							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	1835	1854	2349	2539	2804	2841	2917
1000	0.107	0.109	0.179	0.210	0.254	0.240	0.235
950	0.112	0.114	0.191	0.226	0.281	0.265	0.260
900	0.118	0.121	0.207	0.253	0.317	0.298	0.290
850	0.127	0.129	0.232	0.289	0.370	0.348	0.334
800	0.138	0.141	0.270	0.339	0.452	0.421	0.403
750	0.154	0.158	0.319	0.417	0.613	0.544	0.512
700	0.176	0.180	0.380	0.539	0.938	0.807	0.722
650	0.204	0.209	0.453	0.759	1.563	1.391	1.159
600	0.247	0.255	0.671	1.378	2.440	2.385	2.063
550	0.319	0.326	1.185	2.635	3.572	3.592	3.535
500	0.432	0.444	2.198	4.346			
450	0.625	0.649					
400	0.914	0.943					
350	1.377	1.450					
300	2.229	2.355					
HEIGHT	SCALE HEIGHT, KM						
	1835	1854	2349	2539	2804	2841	2917
950	1054.1	979.4	725.2	546.9	465.2	478.9	472.3
900	765.8	798.2	491.4	440.4	370.7	369.7	394.2
850	634.9	669.2	409.2	353.4	285.5	292.8	306.9
800	522.8	546.2	369.1	280.7	214.8	244.8	248.7
750	420.1	430.5	329.0	219.7	146.7	166.8	189.5
700	366.0	358.6	289.0	181.3	106.7	110.6	130.2
650	314.3	295.8	248.9	116.9	103.8	87.0	93.4
600	229.7	236.7	106.9	74.2	125.0	104.9	91.5
550	189.1	192.8	84.5	82.6	124.2	126.9	108.8
500	151.8	143.0	76.2	114.9			
450	128.7	132.9					
400	130.4	123.3					
350	114.6	112.4					
300	97.4	95.6					
LONG	-94.62	-94.49	-92.79	-92.20	-91.42	-91.21	-91.00
LAT	21.54	20.47	3.81	-2.40	-10.60	-12.69	-14.73
QUAL	23	23	33	33	33	33	33

Table III.—Continued

PASS 447 AT SOLANT, 6211 1								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	3856	3912	3949	4025	4102	4138	4214	4251
1000	0.223	0.231	0.243	0.251	0.240	0.267	0.272	0.273
950	0.250	0.257	0.269	0.282	0.270	0.301	0.304	0.305
900	0.284	0.293	0.305	0.321	0.309	0.343	0.350	0.353
850	0.326	0.337	0.350	0.369	0.359	0.397	0.407	0.414
800	0.382	0.394	0.404	0.428	0.419	0.466	0.475	0.491
750	0.455	0.471	0.486	0.509	0.500	0.552	0.571	0.589
700	0.558	0.575	0.598	0.627	0.615	0.674	0.703	0.733
650	0.716	0.729	0.761	0.793	0.783	0.856	0.890	0.932
600	0.923	0.955	1.003	1.042	1.020	1.122	1.168	1.211
550	1.241	1.329	1.387	1.428	1.386	1.499	1.599	1.654
500	1.789	1.937	1.977	2.080	2.001	2.151	2.312	2.347
450		2.858	2.981		3.045	3.213		3.527
400		4.304	4.515		4.716	4.886		5.268
350		6.190	6.254		6.549	6.683		7.098
300								
HEIGHT	SCALE HEIGHT, KM							
950	409.7	415.5	430.2	408.2	397.7	398.8	410.2	406.6
900	375.6	372.7	388.3	373.2	358.6	359.6	350.9	337.9
850	342.1	338.1	349.4	343.1	335.3	334.0	321.4	315.2
800	304.1	304.1	311.2	314.6	300.8	310.4	298.7	285.0
750	257.7	268.6	263.6	266.5	260.3	269.9	261.4	249.3
700	219.4	226.3	224.4	225.2	225.2	236.0	228.2	226.3
650	206.1	203.0	195.1	204.1	204.3	207.0	199.0	202.6
600	192.8	173.1	173.1	177.6	181.6	184.1	173.9	178.0
550	161.8	143.8	154.4	149.3	154.8	160.9	151.7	153.4
500	132.3	134.1	133.0	125.9	128.6	132.5	122.5	134.7
450		125.7	120.5		116.6	119.2		122.9
400		128.7	131.4		122.5	129.1		132.5
350		182.0	240.8		246.5	302.5		358.1
300								
LONG	-85.04	-85.27	-84.61	-83.88	-83.10	-82.19	-81.21	-80.06
LAT	-46.09	-48.08	-50.12	-52.10	-54.12	-56.07	-58.02	-60.01
QUAL	23	22	22	23	22	22	23	32

Table III.—Continued

PASS 447 AT SOLANT, 6211 1								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	4327	4402	4440	4516	4553	4627	4706	4742
1000	0.260	0.254	0.279	0.275	0.257	0.243	0.232	0.243
950	0.299	0.291	0.313	0.310	0.296	0.278	0.266	0.276
900	0.345	0.338	0.361	0.356	0.345	0.320	0.309	0.320
850	0.408	0.400	0.424	0.420	0.408	0.378	0.365	0.378
800	0.487	0.478	0.506	0.501	0.485	0.450	0.437	0.450
750	0.583	0.575	0.605	0.599	0.580	0.539	0.529	0.545
700	0.730	0.715	0.744	0.737	0.720	0.677	0.662	0.670
650	0.930	0.916	0.939	0.935	0.912	0.871	0.851	0.873
600	1.221	1.196	1.232	1.224	1.197	1.144	1.102	1.156
550	1.661	1.655	1.672	1.664	1.632	1.551	1.485	1.557
500	2.410	2.378	2.411	2.372	2.367	2.180	2.105	2.202
450	3.672	3.542	3.584	3.499	3.520	3.173	3.110	3.165
400	5.559	5.290	5.349	5.200	5.292	4.660	4.590	4.459
350	7.345				7.485		6.842	6.147
300								
HEIGHT	SCALE HEIGHT, KM							
	4327	4402	4440	4516	4553	4627	4706	4742
950	343.0	351.3	396.5	395.9	339.3	357.5	347.8	364.6
900	321.0	316.0	340.3	331.5	314.0	325.4	316.1	328.6
850	303.3	295.6	309.6	307.7	297.6	303.7	293.4	300.5
800	279.5	274.7	284.3	283.4	277.9	277.9	269.5	275.6
750	248.0	250.7	257.6	257.1	254.1	247.1	243.2	247.8
700	224.7	220.5	230.8	231.2	227.9	219.2	219.2	220.3
650	197.2	193.7	204.0	205.5	201.4	194.3	197.5	194.3
600	171.8	174.5	179.7	178.1	179.6	177.5	182.1	175.1
550	153.5	150.9	154.1	152.7	144.9	155.2	159.7	158.7
500	128.3	134.1	133.5	137.9	133.1	143.6	137.7	141.9
450	117.7	123.0	124.8	126.0	123.7	130.8	128.6	142.9
400	135.1	137.6	133.8	128.3	125.0	127.2	126.2	145.3
350	317.0				202.0		142.2	191.4
300								
LONG	-78.74	-77.37	-75.50	-73.49	-71.09	-68.29	-64.69	-60.33
LAT	-61.92	-63.77	-65.75	-67.60	-69.48	-71.14	-73.01	-74.63
QUAL	32	33	23	32	33	33	33	33

Table III. —Continued

PASS 460 AT RESLUT, 6211 1								
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)								
HEIGHT	TIME (UT)							
	225123	225136	225159	225217	225406	225424	225501	225537
1000	0.139	0.151	0.177	0.197	0.088	0.080	0.063	0.112
950	0.148	0.167	0.196	0.214	0.106	0.093	0.075	0.127
900	0.162	0.183	0.213	0.236	0.125	0.109	0.087	0.145
850	0.180	0.203	0.233	0.265	0.148	0.128	0.104	0.167
800	0.203	0.229	0.260	0.300	0.174	0.150	0.127	0.197
750	0.233	0.265	0.295	0.343	0.207	0.178	0.156	0.237
700	0.270	0.310	0.340	0.400	0.249	0.215	0.193	0.290
650	0.322	0.370	0.399	0.480	0.307	0.264	0.248	0.365
600	0.397	0.452	0.481	0.592	0.389	0.332	0.332	0.473
550	0.506	0.566	0.596	0.757	0.513	0.430	0.445	0.617
500	0.655	0.731	0.750	0.989	0.688	0.572	0.590	0.808
450	0.856	0.956	0.950	1.309	0.928	0.762	0.808	1.086
400	1.100	1.248	1.205	1.703	1.279	1.041	1.111	1.465
350		1.555	1.524	2.136	1.760	1.416	1.492	1.973
300					2.373		1.960	2.628
HEIGHT	SCALE HEIGHT, KM							
	639.4	528.4	544.8	547.5	290.6	333.3	314.8	393.2
950	639.4	528.4	544.8	547.5	290.6	333.3	314.8	393.2
900	539.7	498.8	554.1	475.9	296.3	318.0	296.8	361.6
850	452.1	456.5	509.4	433.6	304.2	309.9	271.9	325.4
800	384.5	385.7	419.8	391.2	294.4	305.1	247.5	289.9
750	356.8	329.9	374.7	345.8	277.9	281.5	240.5	262.7
700	316.1	299.5	334.0	297.4	257.0	246.4	221.4	234.8
650	263.5	270.0	291.8	259.4	227.5	228.4	175.0	197.4
600	226.2	239.8	252.5	226.9	201.0	208.6	174.2	191.1
550	193.9	211.1	223.4	202.3	173.0	186.4	172.4	186.2
500	191.0	191.8	217.6	184.8	167.4	177.7	169.5	180.0
450	193.9	189.0	212.9	183.3	163.5	172.2	162.5	169.0
400	255.8	207.3	214.1	205.5	157.6	168.0	165.3	168.2
350		267.8	227.2	238.1	163.0	167.2	177.3	173.1
300					201.0		188.2	171.6
LONG	-142.16	-138.57	-131.66	-127.64	-108.34	-106.38	-102.38	-99.54
LAT	79.64	79.58	79.12	78.54	74.34	73.51	71.80	70.04
QUAL	32	33	33	33	33	33	33	33

Table III. —Continued

PASS 460 AT RESLUT, 6211 1		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	225556	225839
1000	0.061	0.221
950	0.072	0.248
900	0.087	0.280
850	0.107	0.321
800	0.133	0.369
750	0.168	0.425
700	0.213	0.492
650	0.261	0.581
600	0.371	0.700
550	0.498	0.863
500	0.679	1.085
450	0.940	1.404
400	1.307	1.864
350		2.519
300		3.210
HEIGHT	SCALE HEIGHT, KM	
950	286.1	421.9
900	248.2	392.2
850	238.5	369.1
800	222.4	354.7
750	207.5	340.6
700	194.3	325.3
650	187.8	282.9
600	181.6	252.5
550	165.9	229.7
500	157.5	212.2
450	153.5	191.9
400	148.9	174.0
350		181.9
300		276.7
LONG	-98.05	-90.05
LAT	69.11	60.63
QUAL	33	32

Table III.—Continued

PASS 460 AT QUITOE, 6211 1								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	231350	231503	231539	231616	231710	231823	232012	232047
1000	0.169	0.142	0.183	0.187	0.217	0.238	0.297	0.307
950	0.181	0.153	0.200	0.204	0.238	0.269	0.340	0.353
900	0.195	0.166	0.219	0.226	0.264	0.312	0.400	0.417
850	0.215	0.184	0.243	0.254	0.300	0.374	0.496	0.520
800	0.241	0.207	0.275	0.288	0.352	0.464	0.675	0.704
750	0.272	0.240	0.317	0.336	0.439	0.605	1.021	1.058
700	0.323	0.287	0.376	0.406	0.582	0.878	1.400	1.423
650	0.393	0.348	0.465	0.525	0.829	1.427	1.847	1.975
600	0.510	0.453	0.614	0.742	1.286	2.463	2.740	3.026
550	0.703	0.620	0.876	1.189	2.265	3.655	4.169	4.595
500	1.020	0.897	1.390	2.106	4.496	5.580	6.424	6.926
450	1.557	1.387	2.520	4.155	8.976	8.375	9.281	9.945
400	2.528	2.448	5.200	8.535				
350	4.592	5.138	10.548					
300	9.324	11.670						
HEIGHT	SCALE HEIGHT, KM							
	710.2	642.4	565.5	516.0	514.1	362.4	338.4	327.4
950	710.2	642.4	565.5	516.0	514.1	362.4	338.4	327.4
900	599.9	544.7	512.1	462.9	428.9	305.5	271.2	265.6
850	475.1	465.0	438.5	417.5	346.4	259.4	202.0	199.3
800	407.3	371.5	382.7	356.1	271.5	212.4	140.0	145.3
750	350.2	306.3	323.7	287.8	215.1	161.6	125.7	133.9
700	292.3	275.0	265.7	242.8	165.7	126.1	187.6	172.4
650	235.0	243.7	211.2	175.6	130.1	94.2	156.0	136.3
600	181.9	189.6	165.2	130.6	102.5	104.4	118.2	121.0
550	143.6	148.5	128.8	98.7	82.3	140.9	119.7	120.1
500	128.4	121.9	95.0	80.1	66.5	114.8	120.4	126.5
450	112.1	106.8	76.4	71.2	101.3	134.3	158.4	166.8
400	94.9	79.5	67.8	69.0				
350	75.2	60.0	74.9					
300	76.6	68.6						
LONG	-78.22	-77.81	-77.62	-77.43	-77.15	-76.76	-76.16	-75.96
LAT	10.02	5.90	3.87	1.78	-1.27	-5.40	-11.57	-13.55
QUAL	23	33	33	33	33	33	31	33

Table III.—Continued

PASS 460 AT QUITOE, 6211 1				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	232125	232238	232314	232350
1000	0.308	0.278	0.259	0.236
950	0.353	0.314	0.294	0.266
900	0.417	0.365	0.339	0.302
850	0.508	0.436	0.399	0.350
800	0.661	0.550	0.481	0.427
750	0.948	0.755	0.633	0.537
700	1.502	1.192	0.918	0.728
650	2.053	1.953	1.569	1.101
600	3.114	2.897	2.777	1.843
550	4.599	4.306	4.340	3.660
500	6.990	6.605	6.634	6.490
450	10.257	9.935	9.857	
400				
350				
300				
HEIGHT	SCALE HEIGHT, KM			
	232125	232238	232314	232350
950	328.7	363.1	367.1	405.3
900	292.1	308.6	323.8	351.4
850	212.9	254.9	290.1	300.4
800	168.2	190.9	235.9	255.8
750	127.5	139.5	149.7	202.5
700	130.6	98.6	118.5	142.6
650	147.8	115.1	87.3	112.7
600	124.6	133.0	98.3	83.8
550	122.0	116.8	121.5	73.7
500	122.6	122.3	120.9	107.6
450	150.8	134.0	123.7	
400				
350				
300				
LONG	-75.73	-75.27	-75.03	-74.79
LAT	-15.70	-19.82	-21.85	-23.88
QUAL	33	33	33	33

Table III.—Continued

PASS 460 AT AGASTA, 6211 1								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	232125	232143	232219	232332	232408	232445	232729	232805
1000	0.290	0.285	0.260	0.228	0.216	0.192	0.181	0.199
950	0.334	0.329	0.300	0.253	0.238	0.213	0.200	0.220
900	0.394	0.386	0.350	0.289	0.269	0.239	0.224	0.244
850	0.478	0.465	0.420	0.340	0.309	0.279	0.252	0.275
800	0.617	0.597	0.523	0.410	0.367	0.333	0.290	0.315
750	0.871	0.848	0.723	0.518	0.452	0.398	0.336	0.366
700	1.379	1.342	1.142	0.708	0.584	0.496	0.406	0.427
650	1.894	1.886	1.797	1.144	0.820	0.661	0.497	0.526
600	2.718	2.692	2.539	2.166	1.304	0.941	0.635	0.680
550	4.102	4.061	3.783	3.845	2.528	1.562	0.853	0.918
500	6.097	6.069	5.711	5.901	4.751	3.122	1.192	1.250
450	9.070	9.059	8.616	8.890	8.330	6.177	1.746	1.798
400	12.422	12.494				11.786	2.735	2.707
350								4.253
300								6.564
HEIGHT	SCALE HEIGHT, KM							
	232125	232143	232219	232332	232408	232445	232729	232805
950	329.0	328.0	344.8	422.0	446.9	464.5	469.3	500.2
900	277.3	291.9	299.8	348.8	380.9	386.5	435.0	445.4
850	227.8	236.6	253.8	291.9	329.7	334.1	377.7	393.7
800	175.6	169.7	195.8	241.0	270.8	286.6	340.2	345.9
750	128.3	129.3	138.0	191.2	221.4	252.9	305.2	314.4
700	124.7	103.1	105.1	135.0	176.7	207.8	269.1	282.9
650	155.3	159.6	132.1	95.6	136.2	160.7	232.8	236.0
600	128.5	129.2	136.4	79.2	93.0	126.7	189.0	182.4
550	124.2	124.0	120.5	102.3	77.5	84.0	164.3	170.7
500	127.4	123.5	123.7	122.8	80.4	72.3	144.0	155.0
450	134.1	133.1	122.8	122.7	100.4	70.8	122.8	131.2
400	186.6	191.5				98.0	104.4	118.0
350								109.4
300								127.0
LONG	-75.13	-75.62	-75.40	-74.91	-74.66	-74.37	-72.92	-72.54
LAT	-15.70	-16.72	-18.75	-22.87	-24.90	-26.98	-36.09	-38.21
QUAL	33	33	33	33	33	33	33	33

Table III. —Continued

PASS 460 AT AGASTA, 6211 1					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	232842	232918	232954	233031	233107
1000	0.207	0.211	0.217	0.217	0.222
950	0.230	0.234	0.242	0.245	0.246
900	0.256	0.262	0.274	0.277	0.281
850	0.291	0.299	0.313	0.318	0.324
800	0.334	0.348	0.362	0.370	0.375
750	0.390	0.410	0.427	0.436	0.461
700	0.466	0.498	0.513	0.533	0.576
650	0.575	0.619	0.630	0.671	0.724
600	0.748	0.792	0.809	0.862	0.920
550	0.983	1.046	1.069	1.155	1.212
500	1.301	1.440	1.482	1.627	1.697
450	1.906		2.161	2.385	2.450
400	2.975		3.225	3.577	
350	4.539		4.839	5.120	
300	6.635				
HEIGHT	SCALE HEIGHT, KM				
	460.9	458.3	426.0	404.6	419.0
950	460.9	458.3	426.0	404.6	419.0
900	416.8	404.7	388.9	377.5	367.8
850	379.0	357.3	355.0	344.5	325.8
800	341.5	318.4	321.7	312.4	283.9
750	304.5	285.8	290.5	280.4	264.1
700	262.6	249.2	258.4	236.0	244.3
650	216.3	217.7	224.6	210.5	223.4
600	195.1	196.5	196.6	189.6	199.3
550	176.4	172.2	170.0	159.7	170.4
500	147.8	137.5	145.2	141.1	144.6
450	130.5		129.9	127.8	125.0
400	118.6		123.6	124.4	
350	122.7		134.3	176.3	
300	161.6				
LONG	-72.10	-71.65	-71.17	-70.61	-70.03
LAT	-40.27	-42.27	-44.28	-46.33	-48.31
QUAL	33	33	23	23	33

Table III.—Continued

PASS 460 AT SULANT, 6211 E								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	232539	232616	232652	232729	232805	232842	232918	232954
1000	0.206	0.217	0.203	0.201	0.215	0.228	0.225	0.234
950	0.221	0.234	0.219	0.219	0.236	0.251	0.250	0.261
900	0.245	0.258	0.245	0.244	0.264	0.282	0.282	0.295
850	0.276	0.286	0.275	0.273	0.297	0.321	0.322	0.341
800	0.312	0.326	0.314	0.309	0.339	0.369	0.372	0.399
750	0.387	0.381	0.370	0.360	0.390	0.430	0.436	0.472
700	0.475	0.469	0.447	0.433	0.478	0.525	0.527	0.558
650	0.616	0.602	0.559	0.534	0.600	0.658	0.656	0.708
600	0.851	0.810	0.741	0.671	0.770	0.841	0.836	0.918
550	1.241	1.165	1.028	0.899	1.048	1.127	1.115	1.225
500	1.951	1.796	1.540	1.239	1.477	1.582	1.542	1.757
450	3.363	2.941	2.457	1.779	2.168	2.318	2.268	2.578
400		4.841	4.104	2.798	3.352	3.551		3.932
350		8.212	6.776	4.515	5.311	5.340		5.791
300					7.780	7.409		
HEIGHT	SCALE HEIGHT, KM							
	603.7	576.6	573.5	545.1	508.2	446.5	450.8	422.3
950	603.7	576.6	573.5	545.1	508.2	446.5	450.8	422.3
900	463.4	492.3	456.6	458.8	443.8	382.6	398.5	372.1
850	369.9	430.4	397.5	418.1	396.9	343.9	362.5	342.5
800	292.5	370.6	345.2	362.1	349.8	305.9	326.5	313.0
750	265.0	275.6	297.1	313.0	302.6	267.5	290.1	285.1
700	230.9	222.4	249.3	268.6	255.9	227.2	253.4	257.3
650	176.4	182.3	204.3	230.9	213.5	200.0	223.4	217.7
600	141.9	154.7	165.9	197.7	183.5	182.0	194.1	183.6
550	124.9	129.4	140.8	172.4	160.0	158.0	163.8	159.0
500	104.3	112.1	120.7	149.2	140.8	136.2	145.6	140.4
450	88.6	99.7	102.0	128.7	123.8	121.8	120.4	125.4
400		99.7	96.3	108.4	111.2	116.2		121.4
350		90.7	105.2	104.7	114.9	126.5		165.3
300					164.0	230.1		
LONG	-73.94	-73.62	-73.28	-72.92	-72.54	-72.10	-71.65	-71.17
LAT	-30.02	-32.05	-33.95	-36.09	-40.71	-61.27	-42.27	-44.28
QUAL	22	23	23	23	23	22	23	22

Table III. — Continued

PASS 480 AT SOLANT, 6211 1								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	233031	233107	233144	233220	233257	233409	233446	233522
1000	0.238	0.235	0.246	0.242	0.243	0.243	0.251	0.256
950	0.266	0.264	0.277	0.273	0.273	0.274	0.287	0.289
900	0.303	0.301	0.317	0.312	0.311	0.313	0.330	0.331
850	0.352	0.351	0.367	0.363	0.362	0.363	0.384	0.384
800	0.413	0.412	0.430	0.426	0.429	0.428	0.451	0.448
750	0.490	0.487	0.505	0.503	0.514	0.506	0.532	0.529
700	0.588	0.591	0.619	0.614	0.617	0.608	0.652	0.650
650	0.745	0.746	0.777	0.781	0.778	0.755	0.818	0.823
600	0.975	0.971	1.002	1.022	1.017	0.964	1.062	1.069
550	1.308	1.324	1.376	1.385	1.372	1.292	1.453	1.475
500	1.881	1.888	1.971	1.970	1.942	1.835	2.058	2.086
450	2.779		2.922	2.945		2.710		3.043
400	4.119		4.388	4.406		4.081		4.509
350	5.765		6.097	6.166		5.977		6.447
300								
HEIGHT	SCALE HEIGHT, KM							
	409.7	398.8	396.0	396.8	397.3	391.1	363.9	390.7
950	409.7	398.8	396.0	396.8	397.3	391.1	363.9	390.7
900	362.9	355.8	356.0	354.2	352.8	356.2	341.2	363.5
850	333.4	329.5	331.8	327.5	323.6	329.4	325.2	337.1
800	305.1	303.2	306.3	299.9	298.6	307.5	303.7	308.4
750	277.6	276.1	280.0	271.1	272.1	280.0	274.8	270.3
700	247.2	243.2	241.2	239.6	244.7	253.0	240.5	236.1
650	204.5	204.8	207.8	205.6	211.9	227.5	207.1	203.9
600	180.5	178.0	178.9	179.1	179.6	191.7	177.8	174.7
550	159.0	153.1	155.1	156.5	161.6	158.5	158.3	156.7
500	133.8	135.7	137.4	135.7	133.2	138.1	134.4	140.7
450	128.4		125.5	124.1		126.6		128.4
400	134.3		132.4	131.6		125.7		130.6
350	297.3		210.9	205.3		159.9		178.8
300								
LONG	-70.61	-70.03	-69.36	-68.64	-67.84	-65.93	-64.75	-63.42
LAT	-46.33	-48.31	-50.35	-52.32	-54.35	-58.24	-60.23	-62.14
QUAL	22	23	22	21	23	22	23	32

Table III.—Continued

PASS 460 AT SOLANT, 6211 1				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	233559	233635	233748	233824
1000	0.246	0.259	0.270	0.309
950	0.286	0.294	0.312	0.350
900	0.334	0.344	0.364	0.407
850	0.391	0.407	0.431	0.481
800	0.461	0.486	0.515	0.572
750	0.549	0.588	0.620	0.689
700	0.673	0.717	0.750	0.833
650	0.851	0.928	0.964	1.071
600	1.101	1.217	1.256	1.416
550	1.488	1.643	1.669	1.915
500	2.100	2.295	2.385	2.695
450	3.079	3.340	3.467	3.916
400	4.663	4.982	5.201	5.735
350	6.627	6.868	7.258	7.547
300				
HEIGHT	SCALE HEIGHT, KM			
950	324.3	362.5	333.4	376.5
900	318.4	313.5	307.6	326.4
850	314.0	294.3	291.0	300.4
800	297.5	277.5	274.4	277.6
750	261.1	252.3	255.1	258.0
700	233.4	226.8	234.9	236.7
650	209.2	200.8	207.5	194.5
600	183.5	176.7	181.7	176.0
550	156.5	159.1	158.8	157.1
500	140.0	144.4	145.9	141.5
450	123.5	129.6	125.4	130.9
400	128.6	135.1	131.0	145.3
350	182.2	220.5	211.4	300.4
300				
LONG	-61.74	-60.11	-55.60	-52.59
LAT	-64.10	-65.96	-69.68	-71.43
QUAL	32	32	22	22

Table III. —Continued

PASS 472 AT RESLUT, 6211 2						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	195729	195939	200052	200241	200430	200448
1000	0.044	0.065	0.090	0.065	0.067	0.068
950	0.052	0.077	0.107	0.076	0.079	0.080
900	0.062	0.091	0.126	0.088	0.093	0.092
850	0.074	0.109	0.151	0.103	0.110	0.106
800	0.088	0.132	0.183	0.121	0.133	0.126
750	0.106	0.162	0.224	0.144	0.161	0.150
700	0.128	0.201	0.277	0.174	0.198	0.181
650	0.159	0.255	0.351	0.212	0.249	0.223
600	0.204	0.337	0.455	0.265	0.323	0.280
550	0.275	0.453	0.602	0.346	0.431	0.363
500	0.382	0.621	0.806	0.463	0.591	0.494
450	0.542	0.859	1.080	0.631	0.818	0.679
400	0.758	1.186	1.452	0.863	1.115	0.921
350	1.029				1.485	1.216
300					1.828	1.516
HEIGHT	SCALE HEIGHT, KM					
	195729	195939	200052	200241	200430	200448
950	284.7	295.8	297.4	334.7	304.8	347.2
900	287.7	286.8	284.1	334.5	299.0	339.2
850	287.9	269.4	272.2	313.8	284.4	319.5
800	282.6	253.8	259.5	295.7	263.7	296.2
750	267.5	243.4	237.6	279.2	253.0	274.3
700	245.2	221.2	225.2	260.3	228.6	255.3
650	216.1	191.1	203.5	238.7	205.1	229.9
600	186.9	176.8	187.4	203.8	186.2	203.7
550	166.9	165.4	179.2	184.0	168.9	185.1
500	145.2	156.2	174.3	168.1	155.5	159.6
450	146.7	156.8	172.0	162.7	158.5	161.5
400	155.9	162.7	171.8	167.5	169.2	171.3
350	190.9				202.3	203.2
300					336.0	275.2
LONG	-104.53	-73.56	-63.63	-54.76	-49.41	-48.72
LAT	80.04	76.29	73.13	67.80	62.14	61.19
QUAL	32	33	33	33	31	31

Table III.—Continued

PASS 474 AT FTMYS, 6211 2								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	234216	234254	234443	234538	234614	234650	234729	234804
1000	0.183	0.192	0.224	0.165	0.161	0.169	0.186	0.180
950	0.209	0.223	0.243	0.179	0.178	0.189	0.199	0.195
900	0.242	0.256	0.269	0.198	0.198	0.207	0.216	0.212
850	0.281	0.294	0.302	0.221	0.222	0.229	0.241	0.236
800	0.331	0.340	0.341	0.252	0.253	0.258	0.274	0.267
750	0.390	0.404	0.401	0.289	0.293	0.301	0.315	0.307
700	0.479	0.492	0.483	0.342	0.349	0.357	0.373	0.365
650	0.613	0.619	0.601	0.421	0.434	0.437	0.455	0.450
600	0.802	0.803	0.763	0.538	0.568	0.565	0.584	0.582
550	1.087	1.079	1.033	0.721	0.767	0.755	0.779	0.780
500	1.576	1.507	1.453	1.002	1.100	1.064	1.093	1.106
450	2.309	2.223	2.150	1.467	1.580	1.578	1.611	1.604
400	3.426	3.337	3.350	2.277	2.517	2.460	2.458	2.517
350	5.066	4.953	5.330	3.818	4.265	4.106	4.080	4.138
300			7.994	6.737	7.756	7.235	7.130	7.175
HEIGHT	SCALE HEIGHT, KM							
	351.2	348.4	528.1	539.4	485.8	513.9	704.7	627.4
950	351.2	348.4	528.1	539.4	485.8	513.9	704.7	627.4
900	336.4	360.5	473.8	477.9	445.0	521.3	533.3	535.3
850	321.5	343.4	416.5	425.8	409.7	452.5	433.6	445.9
800	296.0	311.2	355.9	373.7	363.9	381.8	384.5	382.0
750	269.1	277.0	304.9	328.3	308.0	313.8	327.3	321.2
700	240.1	243.4	256.1	269.2	266.4	263.9	270.9	264.0
650	209.1	210.8	228.0	229.6	208.0	225.2	231.9	223.9
600	181.0	184.2	191.5	188.8	181.8	193.3	196.9	193.4
550	150.7	162.1	154.5	165.6	144.9	163.2	161.8	157.0
500	133.5	142.5	140.0	139.8	137.3	138.0	137.6	139.2
450	130.5	127.0	123.4	126.5	125.1	122.4	127.1	124.2
400	126.7	123.8	108.6	106.0	103.9	106.1	109.6	108.1
350	127.6	129.3	116.1	91.9	85.1	91.6	92.3	93.3
300			154.4	85.7	91.2	93.3	94.8	99.5
LONG	-93.17	-93.25	-92.25	-91.77	-91.49	-91.22	-90.95	-90.70
LAT	40.15	38.03	31.95	28.87	26.84	24.82	22.63	20.66
QUAL	33	33	33	23	22	32	32	33

Table III.—Continued

PASS 474 AT FIMYRS, 6211 2								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	234900	234936	235013	235049	235125	235202	235256	235333
1000	0.181	0.192	0.194	0.192	0.210	0.214	0.242	0.249
950	0.198	0.208	0.210	0.211	0.232	0.232	0.266	0.272
900	0.218	0.227	0.230	0.231	0.254	0.257	0.295	0.305
850	0.243	0.251	0.254	0.257	0.282	0.287	0.332	0.353
800	0.274	0.283	0.287	0.294	0.320	0.327	0.382	0.418
750	0.314	0.324	0.330	0.341	0.374	0.383	0.465	0.514
700	0.373	0.389	0.394	0.409	0.453	0.469	0.595	0.666
650	0.459	0.477	0.490	0.514	0.564	0.605	0.799	0.974
600	0.549	0.621	0.634	0.664	0.740	0.832	1.142	1.578
550	0.803	0.833	0.869	0.925	1.051	1.203	1.851	2.849
500	1.130	1.176	1.258	1.375	1.653	1.932	3.334	5.825
450	1.647	1.758	1.903	2.083	2.704	3.316	6.577	11.405
400	2.516	2.796	3.041	3.453	4.728	6.049	13.120	
350	4.200	4.754	5.330	6.120	8.432	10.769		
300	7.269	8.352	9.537	10.555				
HEIGHT	SCALE HEIGHT, KM							
	234900	234936	235013	235049	235125	235202	235256	235333
950	532.1	594.9	589.9	544.7	528.8	550.9	515.2	508.5
900	493.5	526.8	524.5	496.6	502.7	480.5	458.6	389.0
850	444.8	463.1	448.4	416.3	435.9	418.3	387.3	322.5
800	382.8	400.9	381.0	371.5	351.7	347.5	307.1	272.7
750	327.7	298.8	321.8	314.8	296.7	278.3	230.0	222.8
700	270.3	264.6	265.7	242.9	259.2	231.9	187.9	167.6
650	219.1	230.4	220.1	216.5	219.1	189.9	162.5	118.7
600	191.8	193.6	181.8	185.4	171.8	153.8	123.0	97.8
550	165.2	161.3	148.0	138.9	127.4	122.8	94.7	76.2
500	141.3	138.2	128.6	126.2	106.9	99.0	77.3	67.8
450	129.0	116.8	116.9	112.6	94.9	87.6	72.3	94.7
400	109.4	102.1	97.1	93.3	89.7	85.1	79.1	
350	92.7	83.5	85.1	86.3	94.9	95.1		
300	95.3	91.4	93.6	112.4				
LONG	-90.35	-90.13	-89.92	-89.71	-89.51	-89.31	-89.01	-88.82
LAT	17.51	15.48	13.39	11.35	9.32	7.23	4.17	2.08
QUAL	33	33	33	33	33	33	33	33

Table III. —Continued

PASS 474 AT FTMYS, 6211 2		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	235409	235445
1000	0.250	0.270
950	0.280	0.318
900	0.321	0.368
850	0.362	0.441
800	0.462	0.561
750	0.593	0.760
700	0.827	1.112
650	1.279	1.837
600	2.233	3.263
550	4.311	5.436
500	8.135	7.837
450	11.915	11.081
400		
350		
300		
HEIGHT	SCALE HEIGHT, KM	
950	389.8	330.9
900	332.3	314.0
850	278.3	236.2
800	231.6	191.9
750	177.6	156.9
700	136.6	117.2
650	104.1	93.1
600	82.1	86.5
550	72.2	123.7
500	101.5	138.2
450	194.2	175.3
400		
350		
300		
LONG	-88.63	-88.44
LAT	0.04	-1.99
QUAL	33	33

Table III.—Continued

PASS 474 AT QUITOE, 6211 2								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	234842	235013	235049	235143	235238	235314	235504	235634
1000	0.168	0.195	0.195	0.209	0.240	0.241	0.290	0.345
950	0.186	0.214	0.215	0.230	0.257	0.268	0.329	0.403
900	0.205	0.234	0.236	0.252	0.289	0.298	0.380	0.478
850	0.229	0.256	0.261	0.283	0.324	0.336	0.462	0.598
800	0.259	0.283	0.297	0.319	0.360	0.389	0.587	0.796
750	0.300	0.333	0.346	0.370	0.433	0.470	0.805	1.140
700	0.358	0.398	0.412	0.453	0.551	0.596	1.166	1.733
650	0.436	0.477	0.492	0.565	0.694	0.786	1.874	2.380
600	0.549	0.594	0.636	0.726	0.957	1.095	3.226	3.189
550	0.722	0.809	0.859	0.928	1.386	1.689	4.707	4.456
500	0.991	1.128	1.232	1.357	2.191	2.936	6.636	6.258
450	1.449	1.662	1.803	2.153	3.748	5.911	9.249	8.462
400	2.238	2.534	2.799	3.609	6.766	11.140	11.979	11.338
350	3.642	4.111	4.587	6.271	12.465			
300	6.338	7.107	7.751	10.699				
HEIGHT	SCALE HEIGHT, KM							
	511.9	562.3	518.9	575.1	588.8	486.6	376.3	306.5
950	511.9	562.3	518.9	575.1	588.8	486.6	376.3	306.5
900	474.7	547.6	519.9	492.8	448.8	452.1	296.2	262.8
850	424.1	481.3	426.6	415.8	398.5	361.2	241.1	196.5
800	369.6	409.9	364.8	360.8	358.3	312.8	182.6	152.1
750	312.9	330.7	318.3	309.2	287.0	252.7	149.9	134.5
700	277.0	273.4	284.2	262.5	214.0	195.8	124.5	131.9
650	244.7	244.4	250.2	220.1	188.4	173.4	94.7	186.7
600	212.9	210.3	201.4	197.8	147.0	135.5	111.9	150.2
550	181.6	167.2	156.3	175.5	126.6	104.6	148.2	149.7
500	147.8	142.7	137.0	128.8	98.4	80.6	144.0	149.4
450	126.0	123.4	125.9	101.3	89.9	76.8	168.9	172.5
400	109.7	114.3	105.6	91.9	75.7	83.2	202.6	218.6
350	92.6	96.4	101.6	95.5	86.9			
300	86.4	95.7	90.3	107.3				
LONG	-90.46	-89.92	-89.71	-89.41	-89.11	-88.92	-88.34	-87.85
LAT	18.52	13.39	11.35	8.30	5.19	3.15	2.24	-8.15
QUAL	32	33	32	33	33	33	33	32

Table III. —Continued

PASS 474 AT QUITOE, 6211 3						
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)						
HEIGHT	TIME (UT)					
	235820	235832	235856	23	103	138
1000	0.358	0.314	0.345	0.299	0.278	0.281
950	0.419	0.362	0.404	0.335	0.335	0.313
900	0.517	0.432	0.493	0.376	0.383	0.355
850	0.662	0.525	0.615	0.430	0.444	0.411
800	0.862	0.681	0.791	0.518	0.516	0.482
750	1.335	0.947	1.137	0.681	0.626	0.585
700	2.102	1.439	1.767	0.933	0.827	0.744
650	2.952	2.481	2.848	1.401	1.099	0.975
600	4.040	4.287	4.127	2.454	1.737	1.383
550	5.733	6.193	5.927	4.682	3.115	2.185
500	7.931	8.768	8.411		6.110	3.888
450	10.693	12.267			11.225	6.974
400						12.276
350						
300						
HEIGHT	SCALE HEIGHT, KM					
	274.5	317.8	290.3	432.6	391.8	426.8
950	274.5	317.8	290.3	432.6	391.8	426.8
900	225.9	263.4	245.1	395.5	361.6	377.3
850	191.4	221.1	215.3	329.7	333.2	328.9
800	162.0	179.7	172.3	221.6	304.1	284.0
750	111.5	141.2	126.9	169.8	203.6	241.5
700	125.3	108.6	109.7	142.0	176.8	201.4
650	163.1	87.6	111.4	108.2	145.8	165.3
600	147.7	112.2	148.2	81.6	101.0	132.3
550	145.8	146.4	133.5	78.3	76.9	96.0
500	165.9	136.1	148.4		82.3	86.0
450	202.2	174.1			89.0	82.5
400						96.1
350						
300						
LONG	-87.25	-87.18	-87.04	-86.49	-86.22	-85.96
LAT	-13.48	-13.76	-14.32	-21.10	-23.35	-25.33
QUAL	33	23	33	33	33	33

Table III. —Continued

PASS 474 AT AGASTA, 6211 3								
ELECTRON DENSITY IN ELECTRONS PER CC (x10-5)								
HEIGHT	TIME (UT)							
	235914	235949	27	103	139	216	252	328
1000	0.316	0.305	0.294	0.281	0.266	0.239	0.247	0.257
950	0.360	0.340	0.326	0.311	0.294	0.265	0.274	0.287
900	0.426	0.386	0.365	0.353	0.332	0.298	0.309	0.325
850	0.526	0.463	0.419	0.404	0.382	0.342	0.356	0.374
800	0.676	0.579	0.492	0.475	0.445	0.403	0.417	0.441
750	0.908	0.769	0.624	0.574	0.542	0.485	0.502	0.529
700	1.422	1.140	0.881	0.743	0.677	0.597	0.625	0.655
650	2.493	1.910	1.301	1.019	0.879	0.772	0.809	0.844
600	3.963	3.612	2.222	1.503	1.214	1.062	1.066	1.103
550	5.447	5.657	4.195	2.571	1.883	1.537	1.479	1.523
500	7.948	8.383		4.692	3.178	2.376	2.197	2.208
450	11.199	11.761			5.801	3.943	3.490	3.354
400					10.714		5.598	5.090
350							8.772	7.622
300								10.848
HEIGHT	SCALE HEIGHT, KM							
	331.1	399.8	457.7	438.6	446.8	450.5	436.2	418.1
950	331.1	399.8	457.7	438.6	446.8	450.5	436.2	418.1
900	269.0	331.4	398.3	380.6	381.3	389.8	395.6	374.0
850	221.5	264.1	339.9	336.6	332.6	338.6	333.2	324.5
800	180.2	205.2	257.6	298.2	292.2	292.9	290.4	291.0
750	143.9	156.4	178.5	229.9	251.6	256.7	252.3	256.2
700	110.8	119.5	136.9	183.0	211.3	219.2	217.9	218.6
650	86.7	85.1	113.7	149.3	172.6	177.0	194.2	196.0
600	151.7	86.2	87.4	113.6	139.2	153.7	171.5	176.4
550	142.6	124.9	73.5	88.3	107.0	126.4	141.3	149.6
500	131.7	145.2		75.7	87.5	107.0	118.7	127.4
450	168.6	152.7			83.5	95.9	106.0	119.3
400					84.9		108.4	122.8
350							115.7	126.5
300								218.4
LONG	-56.93	-86.71	-96.46	-96.22	-85.95	-85.67	-83.38	-85.07
LAT	-17.20	-19.18	-21.32	-23.35	-25.38	-27.47	-29.49	-31.51
QUAL	33	33	33	33	33	33	33	33

Table III. —Continued

PASS 474 AT AGASTA, 6211 3					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	536	612	649	707	749
1000	0.258	0.257	0.233	0.266	0.273
950	0.269	0.294	0.265	0.299	0.307
900	0.333	0.338	0.308	0.343	0.348
850	0.367	0.395	0.360	0.395	0.401
800	0.464	0.471	0.437	0.473	0.479
750	0.564	0.571	0.537	0.577	0.588
700	0.697	0.715	0.676	0.719	0.731
650	0.920	0.919	0.872	0.928	0.928
600	1.251	1.212	1.150	1.252	1.230
550	1.691	1.679	1.605	1.726	1.699
500	2.458	2.420	2.327	2.482	2.463
450	3.655	3.664	3.519	3.731	3.702
400	5.412	5.475	5.372	5.648	5.494
350	7.778		7.947	8.188	
300					
HEIGHT	SCALE HEIGHT, KM				
	536	612	649	707	749
950	403.5	364.9	363.2	389.0	413.7
900	342.7	335.4	320.5	349.7	363.7
850	306.5	302.9	286.5	316.6	321.2
800	279.3	270.6	263.6	276.5	271.1
750	246.4	241.8	233.7	240.2	237.3
700	205.3	217.8	205.6	213.4	223.0
650	188.9	196.1	192.6	190.4	199.0
600	171.4	168.1	155.9	171.5	167.1
550	149.3	149.3	147.1	149.2	147.9
500	131.1	129.4	128.3	130.8	129.6
450	122.9	119.6	116.1	118.9	121.9
400	134.1	131.1	126.7	125.1	132.6
350	140.6		143.9	161.2	
300					
LONG	-83.60	-83.38	-82.91	-82.67	-82.05
LAT	-38.68	-40.69	-42.75	-43.75	-46.08
QUAL	33	35	22	22	32

Table III. —Continued

PASS 487 AT RESLUT, 6211 3								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	221829	221846	221928	221946	222005	222023	222041	222059
1000	0.182	0.139	0.116	0.144	0.115	0.149	0.130	0.214
950	0.188	0.150	0.128	0.157	0.126	0.167	0.150	0.239
900	0.198	0.160	0.147	0.175	0.142	0.187	0.172	0.270
850	0.209	0.175	0.169	0.197	0.163	0.211	0.196	0.313
800	0.226	0.192	0.192	0.225	0.191	0.243	0.225	0.368
750	0.249	0.212	0.219	0.256	0.224	0.282	0.261	0.435
700	0.277	0.235	0.254	0.292	0.262	0.330	0.310	0.516
650	0.311	0.263	0.300	0.333	0.306	0.389	0.370	0.622
600	0.357	0.301	0.364	0.408	0.368	0.471	0.454	0.772
550	0.423	0.350	0.465	0.502	0.460	0.580	0.572	0.982
500	0.498	0.424	0.603	0.614	0.583	0.712	0.720	1.291
450	0.583	0.516	0.746	0.745	0.730	0.870	0.920	1.745
400			0.894	0.907	0.903	1.059	1.163	2.460
350			1.061		1.114	1.292	1.446	3.419
300					1.375			
HEIGHT	SCALE HEIGHT, KM							
	1702.0	690.5	442.8	507.1	456.2	431.3	368.9	420.2
950	1702.0	690.5	442.8	507.1	456.2	431.3	368.9	420.2
900	944.6	633.5	391.9	446.4	401.0	409.9	369.0	364.9
850	782.9	582.7	372.5	407.0	354.7	381.6	364.5	344.1
800	607.9	533.7	371.1	375.4	313.8	357.1	337.6	323.4
750	481.9	490.6	349.3	356.7	308.3	333.0	312.9	301.2
700	443.7	450.8	319.8	338.0	302.9	306.8	291.1	277.9
650	405.5	406.8	282.2	319.2	297.4	279.9	269.3	253.2
600	355.3	356.6	238.8	292.9	251.1	267.1	249.3	227.0
550	303.3	310.0	219.5	266.5	222.3	259.4	231.2	202.1
500	311.3	277.4	220.7	256.8	225.1	253.3	216.3	179.0
450	315.9	260.6	255.6	258.8	231.0	253.0	209.9	155.9
400			282.8	245.2	236.4	251.2	226.1	147.8
350			298.8		237.1	247.4	245.1	170.4
300					238.8			
LONG	-178.58	-173.67	-160.27	-154.26	-148.06	-142.53	-137.01	-131.49
LAT	79.61	79.97	80.34	80.39	80.35	80.06	79.77	79.48
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 487 AT RESLUT, 6211 3								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	222117	222135	222153	222212	222230	222248	222302	222324
1000	0.221	0.175	0.113	0.103	0.109	0.108	0.117	0.124
950	0.254	0.199	0.124	0.116	0.124	0.124	0.137	0.142
900	0.295	0.228	0.139	0.133	0.141	0.144	0.160	0.166
850	0.345	0.262	0.163	0.158	0.163	0.169	0.187	0.197
800	0.406	0.308	0.194	0.188	0.190	0.201	0.221	0.241
750	0.486	0.366	0.228	0.223	0.232	0.245	0.267	0.295
700	0.581	0.447	0.266	0.263	0.286	0.299	0.325	0.360
650	0.700	0.568	0.321	0.320	0.352	0.370	0.396	0.444
600	0.916	0.725	0.406	0.408	0.439	0.477	0.506	0.563
550	1.220	0.939	0.516	0.529	0.553	0.621	0.645	0.733
500	1.651	1.267	0.659	0.686	0.714	0.809	0.834	0.965
450	2.318	1.715	0.851	0.897	0.923	1.060	1.086	1.295
400	3.163	2.335	1.134	1.201	1.206	1.406	1.437	1.733
350	4.088		1.586	1.596	1.598	1.871	1.895	2.319
300				2.081	2.120	2.437	2.486	
HEIGHT	SCALE HEIGHT, KM							
	222117	222135	222153	222212	222230	222248	222302	222324
950	343.6	375.6	467.5	382.4	384.3	341.5	320.8	335.4
900	325.9	357.5	383.7	334.0	357.7	325.4	316.6	307.6
850	308.2	325.5	345.6	304.7	324.3	293.9	299.0	279.0
800	290.4	297.5	307.9	287.3	291.0	269.2	274.6	249.3
750	274.2	270.3	293.5	278.5	273.5	256.7	262.8	243.7
700	258.0	245.1	279.1	269.7	257.2	244.2	251.0	240.3
650	238.7	222.4	256.8	243.3	240.7	227.9	238.7	228.5
600	191.6	200.8	227.0	197.8	223.1	202.9	219.4	203.1
550	173.0	181.4	208.0	195.9	210.3	192.5	202.1	189.7
500	157.0	172.8	200.3	192.1	202.6	189.3	194.8	180.1
450	153.5	161.7	186.4	179.8	192.0	180.5	187.3	174.3
400	178.1	173.7	162.7	178.1	183.9	178.4	181.4	171.3
350	263.9		133.1	183.4	178.9	182.4	182.9	169.1
300				188.1	183.0	197.5	188.1	
LONG	-127.18	-122.94	-118.71	-115.05	-112.04	-109.04	-106.79	-104.21
LAT	78.94	78.39	77.83	77.14	76.42	75.70	75.13	74.14
QUAL	32	33	33	33	33	33	33	33

Table III.—Continued

PASS 487 AT RESLUT, 6211 3								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	222342	222437	222455	222513	222531	222550	222608	222626
1000	0.132	0.159	0.173	0.161	0.185	0.158	0.237	0.201
950	0.154	0.179	0.192	0.180	0.200	0.178	0.261	0.222
900	0.177	0.202	0.216	0.202	0.218	0.201	0.293	0.250
850	0.206	0.234	0.250	0.233	0.248	0.229	0.334	0.293
800	0.244	0.279	0.294	0.274	0.332	0.271	0.391	0.348
750	0.296	0.337	0.350	0.327	0.434	0.324	0.463	0.415
700	0.374	0.413	0.422	0.391	0.511	0.391	0.549	0.520
650	0.477	0.524	0.540	0.508	0.581	0.498	0.664	0.660
600	0.606	0.675	0.690	0.658	0.760	0.638	0.859	0.847
550	0.793	0.887	0.904	0.864	1.000	0.838	1.108	1.098
500	1.051	1.185	1.208	1.160	1.301	1.125	1.416	1.442
450	1.386	1.591	1.624	1.582	1.722	1.550	1.875	1.943
400	1.814	2.148	2.157	2.135	2.324	2.129	2.492	2.646
350	2.392	2.840	2.871	2.849	3.183	2.858	3.293	
300	3.104				4.038	3.684		
HEIGHT	SCALE HEIGHT, KM							
	342.6	412.5	440.9	452.1	577.1	413.3	466.6	448.2
950	342.6	412.5	440.9	452.1	577.1	413.3	466.6	448.2
900	330.2	358.6	385.8	382.6	457.0	379.1	414.5	375.0
850	306.5	315.1	323.6	321.0	348.0	326.1	360.9	329.1
800	278.3	293.3	293.5	298.7	282.5	302.5	305.1	285.3
750	249.9	271.6	270.4	276.4	246.4	279.0	284.9	245.9
700	221.2	246.9	247.2	254.1	252.4	254.2	266.3	231.8
650	206.6	214.3	223.8	222.2	258.0	220.4	244.7	217.7
600	199.7	193.1	200.7	191.4	221.0	193.5	214.6	201.4
550	186.6	182.7	182.2	178.9	190.2	180.7	198.6	188.8
500	181.2	175.6	174.0	168.8	186.6	168.9	194.7	179.4
450	185.5	167.5	173.0	164.7	171.6	158.6	176.9	165.1
400	183.7	173.9	176.9	170.7	163.3	164.5	178.4	175.0
350	188.3	197.2	170.3	172.0	182.0	179.3	192.7	
300	194.1				279.1	284.1		
LONG	-102.09	-96.83	-95.30	-94.06	-92.93	-91.73	-90.71	-89.85
LAT	73.32	70.71	69.83	68.93	68.02	67.06	66.13	65.19
QUAL	33	33	33	33	33	33	33	33

Table III. —Continued

PASS 487 AT RESLUT, 6211 3			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	222644	222720	222739
1000	0.215	0.213	0.178
950	0.238	0.227	0.197
900	0.269	0.242	0.217
850	0.311	0.259	0.238
800	0.365	0.333	0.260
750	0.435	0.428	0.286
700	0.543	0.502	0.316
650	0.684	0.565	0.349
600	0.874	0.619	0.439
550	1.128	0.663	0.567
500	1.478	0.889	0.749
450	1.933	1.199	0.980
400	2.496	1.532	1.231
350	3.087	1.904	1.577
300			1.996
HEIGHT	SCALE HEIGHT, KM		
	222644	222720	222739
950	435.9	755.1	
900	380.8	622.2	
850	338.6	489.2	
800	293.9	356.8	
750	255.6	288.6	543.2
700	238.3	293.9	551.9
650	221.0	299.2	372.5
600	204.8	304.6	204.7
550	193.5	309.9	187.3
500	187.8	190.9	187.6
450	192.3	186.4	198.1
400	216.7	216.0	208.5
350	270.2	230.7	208.3
300			215.5
LONG	-88.98	-87.45	-86.73
LAT	64.25	62.36	61.35
QUAL	33	33	33

Table III.—Continued

PASS 487 AT OTTAWA, 6211 3								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	223151	223227	223322	223416	223453	223529	223605	223642
1000	0.136	0.118	0.151	0.167	0.144	0.157	0.172	0.183
950	0.159	0.141	0.177	0.190	0.165	0.177	0.193	0.204
900	0.190	0.168	0.207	0.216	0.188	0.199	0.217	0.235
850	0.227	0.200	0.241	0.246	0.217	0.228	0.247	0.262
800	0.272	0.242	0.281	0.285	0.253	0.266	0.285	0.293
750	0.341	0.296	0.334	0.334	0.303	0.317	0.336	0.361
700	0.440	0.366	0.410	0.397	0.367	0.383	0.408	0.444
650	0.576	0.476	0.511	0.493	0.462	0.475	0.507	0.532
600	0.767	0.641	0.668	0.638	0.602	0.621	0.663	0.660
550	1.010	0.908	0.917	0.855	0.811	0.834	0.899	0.930
500	1.455	1.318	1.283	1.215	1.155	1.171	1.274	1.291
450	2.083	1.947	1.827	1.769	1.702	1.724	1.919	1.888
400	2.951	2.669	2.659	2.520	2.545	2.632	2.829	2.819
350		4.340	3.920		3.760		4.232	4.211
300								
HEIGHT	SCALE HEIGHT, KM							
	223151	223227	223322	223416	223453	223529	223605	223642
950	298.7			393.8	373.9	444.4	428.1	
900	283.0	281.5	324.8	379.1	360.7	390.2	406.3	426.8
850	271.8	272.4	320.6	359.3	333.1	345.1	363.8	397.2
800	248.2	255.7	301.6	331.4	299.5	304.8	324.1	356.4
750	215.2	240.8	265.6	295.0	271.5	278.8	285.7	289.8
700	190.2	215.7	239.7	262.5	243.0	248.0	247.8	248.7
650	176.7	176.4	215.9	214.7	209.1	207.0	212.9	231.5
600	171.2	159.4	174.2	187.7	182.3	185.9	184.8	205.9
550	165.6	143.0	153.3	159.7	159.6	163.8	158.9	159.3
500	149.3	131.2	145.8	137.9	136.5	141.2	134.8	143.5
450	143.5	130.6	139.5	138.3	126.3	123.2	122.5	128.6
400	149.7	121.1	131.5	141.6	127.4	117.2	127.6	126.3
350		143.4	128.6		126.1		131.6	123.4
300								
LONG	-80.49	-79.93	-79.16	-78.48	-78.06	-77.69	-77.34	-77.01
LAT	47.67	45.69	42.64	39.64	37.59	35.58	33.57	31.50
QUAL	33	33	33	33	23	23	23	22

Table III. — Continued

PASS 487 AT OTTAWA, 6211 3				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	223718	223754	223831	223925
1000	0.202	0.216	0.215	0.221
950	0.221	0.232	0.231	0.240
900	0.243	0.254	0.251	0.256
850	0.269	0.285	0.280	0.299
800	0.311	0.323	0.317	0.331
750	0.365	0.371	0.361	0.371
700	0.431	0.441	0.420	0.441
650	0.524	0.553	0.513	0.536
600	0.665	0.722	0.663	0.688
550	0.899	0.978	0.888	0.929
500	1.286	1.391	1.248	1.303
450	1.917	2.070	1.882	1.913
400	2.906	3.026	2.786	2.893
350	4.271	4.579	4.418	4.243
300	6.314	6.436		6.092
HEIGHT	SCALE HEIGHT, KM			
	536.2	657.4	615.6	763.8
950	536.2	657.4	615.6	763.8
900	498.8	528.7	521.8	566.9
850	420.3	431.0	443.8	424.8
800	345.3	382.0	388.8	418.5
750	308.3	326.8	350.9	366.6
700	280.7	257.3	295.3	272.9
650	242.0	214.0	217.2	232.8
600	190.1	182.1	189.2	192.0
550	160.1	163.4	163.6	160.8
500	131.2	131.6	135.6	138.4
450	124.0	130.3	123.9	128.9
400	124.2	123.9	121.3	119.0
350	127.9	132.5	120.4	134.1
300	150.2	211.1		187.4
LONG	-76.70	-76.41	-76.13	-75.75
LAT	29.48	27.46	25.38	22.34
QUAL	23	32	22	22

Table III.—Continued

PASS 487 AT QUITOE, 6211 3								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	223813	223849	223925	224118	224155	224231	224307	224344
1000	0.230	0.209	0.227	0.219	0.210	0.222	0.216	0.234
950	0.242	0.229	0.241	0.236	0.228	0.246	0.239	0.256
900	0.262	0.251	0.262	0.256	0.250	0.267	0.263	0.282
850	0.291	0.277	0.287	0.280	0.276	0.295	0.296	0.317
800	0.325	0.311	0.318	0.310	0.309	0.329	0.337	0.359
750	0.370	0.356	0.363	0.353	0.358	0.389	0.387	0.415
700	0.443	0.416	0.426	0.415	0.424	0.470	0.452	0.502
650	0.541	0.508	0.514	0.510	0.517	0.579	0.576	0.625
600	0.674	0.642	0.658	0.653	0.671	0.751	0.755	0.813
550	0.890	0.849	0.868	0.875	0.902	1.032	1.022	1.109
500	1.216	1.189	1.185	1.225	1.278	1.515	1.505	1.637
450	1.701	1.746	1.722	1.813	1.918	2.286	2.297	2.601
400	2.513	2.657	2.658	2.825	2.990	3.528	3.661	4.392
350	3.958	4.076	4.064	4.354	4.670	5.532	5.986	7.495
300		6.155	5.982	6.482	6.802		8.961	
HEIGHT	SCALE HEIGHT, KM							
	752.6	553.3	709.3	652.2	591.2	546.1	484.6	522.9
950	752.6	553.3	709.3	652.2	591.2	546.1	484.6	522.9
900	617.9	528.7	584.0	581.4	526.7	526.6	461.0	478.0
850	488.6	463.8	502.1	516.0	459.7	454.3	407.7	426.7
800	416.0	401.3	436.6	444.4	394.6	382.8	363.1	368.3
750	346.1	342.5	370.3	349.2	336.8	314.4	322.9	311.9
700	285.2	289.4	303.6	280.8	278.8	255.3	280.0	258.4
650	241.6	246.3	227.5	227.5	221.2	220.5	220.7	213.1
600	206.3	208.7	201.9	189.0	191.3	184.6	179.9	178.6
550	171.4	161.0	176.3	161.6	160.4	148.6	152.5	150.6
500	157.3	141.9	149.0	138.6	135.5	125.8	123.3	120.0
450	142.0	124.7	123.6	119.5	115.8	120.1	112.9	102.0
400	114.6	121.1	118.9	116.0	111.8	112.0	103.5	94.7
350	117.0	116.5	120.3	113.6	114.9	117.9	107.6	98.0
300		155.3	181.8	186.2	193.4		143.7	
LONG	-76.26	-76.00	-75.75	-75.02	-74.80	-74.59	-74.39	-74.19
LAT	26.59	24.37	22.34	15.97	13.88	11.85	9.81	7.72
QUAL	23	23	23	23	23	23	23	23

Table III. —Continued

PASS 487 AT QUITCE, 6211 3								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	224420	224456	224533	224609	224645	224722	224758	224834
1000	0.227	0.232	0.257	0.269	0.302	0.311	0.335	0.362
950	0.250	0.259	0.283	0.295	0.337	0.356	0.385	0.412
900	0.279	0.288	0.315	0.338	0.357	0.417	0.451	0.485
850	0.316	0.330	0.356	0.400	0.454	0.499	0.543	0.584
800	0.363	0.381	0.413	0.479	0.540	0.511	0.669	0.714
750	0.419	0.446	0.501	0.576	0.667	0.768	0.830	0.922
700	0.509	0.545	0.636	0.756	0.899	1.072	1.161	1.283
650	0.652	0.702	0.853	1.042	1.278	1.613	1.690	1.905
600	0.874	0.982	1.206	1.502	2.083	2.560	2.749	3.179
550	1.255	1.447	1.905	2.476	3.548	4.391	4.884	5.553
500	1.991	2.370	3.298	4.486	6.142	7.711	8.523	9.480
450	3.310	4.157	5.906	8.023	10.255	12.388	13.696	
400	5.602	7.368	10.044	12.898				
350	9.300	12.503						
300								
HEIGHT	SCALE HEIGHT, KM							
	472.0	459.3	490.9	432.2	404.6	338.8	330.4	344.3
950	472.0	459.3	490.9	432.2	404.6	338.8	330.4	344.3
900	427.6	417.7	440.1	378.4	348.4	305.0	296.6	293.5
850	392.0	370.1	371.9	324.8	302.3	269.3	258.5	256.0
800	350.8	327.1	304.8	275.7	260.0	229.5	220.5	224.0
750	306.1	283.2	240.1	229.0	214.1	189.2	175.9	184.9
700	240.0	231.2	190.0	181.8	160.9	143.5	143.2	143.6
650	190.3	170.8	161.5	150.5	127.6	117.3	125.0	112.4
600	158.0	143.6	127.6	124.2	98.1	103.1	90.2	91.4
550	125.9	117.0	101.9	89.7	93.4	90.3	90.8	88.6
500	100.3	94.4	85.9	85.4	91.9	99.6	86.4	103.5
450	96.8	87.2	83.0	102.8	107.6	114.6	151.1	
400	95.5	85.4	102.8	117.0				
350	108.3	109.6						
300								
LUNG	-73.99	-73.80	-73.60	-73.41	-73.23	-73.03	-72.84	-72.64
LAT	5.69	5.56	1.55	-0.48	-2.51	-4.60	-6.64	-8.66
QUAL	23	23	23	33	23	23	23	23

Table III.—Continued

PASS 487 AT QUITOE, 6211 3			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	224909	224947	225023
1000	0.373	0.386	0.373
950	0.446	0.443	0.426
900	0.503	0.525	0.500
850	0.610	0.639	0.615
800	0.757	0.789	0.775
750	0.952	1.016	0.987
700	1.337	1.462	1.351
650	1.991	2.237	2.031
600	3.473	3.825	3.354
550	6.068	6.555	5.868
500	9.910	10.047	9.267
450			
400			
350			
300			
HEIGHT	SCALE HEIGHT, KM		
	340.1	321.7	342.4
950	340.1	321.7	342.4
900	282.2	281.0	273.7
850	246.3	245.9	237.5
800	218.9	214.9	208.6
750	190.1	177.8	186.0
700	135.8	130.3	152.5
650	115.4	109.3	114.2
600	86.9	87.2	94.0
550	91.7	93.9	91.3
500	145.8	203.3	150.5
450			
400			
350			
300			
LONG	-72.45	-72.23	-72.02
LAT	-10.66	-12.81	-14.84
QUAL	23	22	23

Table III. —Continued

PASS 487 AT AGASTA, 6211 3								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	225121	225157	225233	225310	225346	225459	225535	225601
1000	0.324	0.306	0.285	0.278	0.259	0.240	0.247	0.237
950	0.308	0.345	0.323	0.312	0.291	0.265	0.271	0.265
900	0.428	0.397	0.370	0.356	0.333	0.297	0.303	0.297
850	0.506	0.464	0.436	0.414	0.388	0.348	0.347	0.340
800	0.612	0.566	0.527	0.494	0.464	0.413	0.410	0.398
750	0.774	0.710	0.651	0.611	0.566	0.496	0.496	0.472
700	1.021	0.915	0.852	0.792	0.716	0.626	0.604	0.576
650	1.505	1.261	1.170	1.090	0.939	0.810	0.797	0.734
600	2.412	1.954	1.741	1.649	1.350	1.100	1.086	1.007
550	4.073	3.402	2.850	2.582	2.128	1.598	1.555	1.428
500	7.100	5.956	5.031	4.341	3.411	2.445	2.344	2.149
450	11.694	10.334		7.431	5.759	4.015	3.723	
400				12.591	9.893	6.777	6.058	
350						11.091	9.698	
300								
HEIGHT	SCALE HEIGHT, KM							
	358.4	381.5	371.8	399.1	390.6	461.5	468.5	439.1
950	358.4	381.5	371.8	399.1	390.6	461.5	468.5	439.1
900	312.3	335.5	331.4	352.4	347.9	380.5	403.7	396.7
850	281.0	286.0	288.4	307.7	306.8	316.5	343.2	352.7
800	242.3	241.4	248.8	263.3	267.1	279.9	285.7	307.9
750	195.5	212.2	214.6	221.1	233.6	249.3	253.8	271.6
700	160.0	181.3	180.4	181.9	201.5	202.6	223.0	229.6
650	118.2	139.4	145.2	142.0	168.5	181.1	184.9	185.9
600	102.6	99.8	116.4	116.8	124.6	150.5	154.1	160.3
550	95.6	90.8	93.4	106.4	110.2	130.9	132.6	137.4
500	90.8	88.8	86.4	91.2	98.1	109.8	114.7	111.7
450	118.5	94.3		92.3	92.3	96.4	106.0	
400				102.1	98.9	96.4	101.0	
350						108.8	109.2	
300								
LONG	-71.67	-71.44	-71.19	-70.93	-70.66	-70.09	-69.76	-69.53
LAT	-18.12	-20.15	-22.18	-24.26	-26.30	-30.40	-32.43	-33.89
QUAL	33	33	33	33	33	33	33	23

Table III. —Continued

PASS 487 AT AGASTA, 6211 3				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	225706	225949	230008	230044
1000	0.223	0.248	0.249	0.247
950	0.249	0.275	0.274	0.269
900	0.260	0.308	0.306	0.299
850	0.321	0.349	0.351	0.347
800	0.374	0.404	0.410	0.415
750	0.445	0.480	0.486	0.485
700	0.540	0.583	0.586	0.571
650	0.668	0.727	0.746	0.731
600	0.913	0.952	0.965	0.949
550	1.242	1.293	1.298	1.249
500	1.821	1.847	1.853	1.762
450	2.768		2.749	2.582
400	4.360		4.203	3.915
350	7.057		6.343	5.969
300	10.810			7.997
HEIGHT	SCALE HEIGHT, KM			
	434.6	445.9	474.6	526.3
950	434.6	445.9	474.6	526.3
900	390.2	416.7	411.5	424.0
850	344.8	366.8	351.1	349.0
800	305.2	315.6	303.2	297.4
750	274.4	282.0	274.7	279.7
700	240.8	244.3	246.1	258.7
650	200.0	207.4	217.2	222.4
600	172.7	182.3	187.0	189.8
550	152.2	156.2	156.2	165.6
500	127.7	135.1	135.8	140.9
450	116.4		123.8	126.1
400	106.0		117.0	118.1
350	108.1		130.7	132.1
300	155.8			250.8
LONG	-68.27	-66.74	-66.44	-65.81
LAT	-37.52	-46.59	-47.64	-49.62
QUAL	33	23	23	23

Table III.—Continued

PASS 487 AT SOLANT, 6211 3								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	225404	225440	225517	225553	225630	225706	225742	225818
1000	0.282	0.273	0.272	0.268	0.258	0.264	0.276	0.276
950	0.316	0.302	0.301	0.294	0.287	0.290	0.304	0.298
900	0.359	0.343	0.341	0.331	0.325	0.326	0.343	0.335
850	0.417	0.394	0.391	0.375	0.375	0.370	0.392	0.377
800	0.498	0.473	0.455	0.439	0.435	0.423	0.451	0.437
750	0.604	0.578	0.552	0.527	0.516	0.509	0.541	0.519
700	0.774	0.723	0.698	0.652	0.632	0.629	0.666	0.628
650	1.025	0.950	0.898	0.850	0.789	0.800	0.840	0.792
600	1.448	1.325	1.253	1.148	1.039	1.063	1.114	1.028
550	2.177	1.974	1.908	1.629	1.507	1.480	1.545	1.388
500	3.490	3.137	3.008	2.464	2.329	2.167	2.243	1.985
450	5.815	5.314	4.905	4.026	3.785	3.295	3.370	2.975
400	9.980	8.778	7.938	6.668	6.216	5.141	5.327	4.572
350			12.843	10.740		8.466	8.249	6.957
300						12.533		
HEIGHT	SCALE HEIGHT, KM							
	408.8	439.6	444.9	474.2	427.5	475.0	457.2	557.4
950	408.8	439.6	444.9	474.2	427.5	475.0	457.2	557.4
900	356.9	365.3	383.5	409.7	384.3	415.8	407.8	436.3
850	312.5	315.5	339.0	358.1	348.8	368.9	361.2	377.5
800	266.9	281.2	299.7	303.1	314.4	324.4	315.6	327.0
750	226.9	244.2	246.3	254.7	274.0	270.0	269.3	280.3
700	199.5	200.9	202.3	214.8	234.4	225.2	231.2	239.3
650	168.5	171.3	177.5	187.1	209.0	199.0	202.3	209.9
600	135.6	142.2	137.1	158.2	158.0	169.5	170.3	182.2
550	113.1	119.9	117.3	134.0	127.4	143.4	145.9	155.8
500	104.2	101.7	105.6	111.8	109.7	123.5	127.8	131.2
450	93.8	91.0	101.6	98.2	101.5	113.7	118.1	120.3
400	94.7	103.2	110.1	103.4	100.2	104.0	106.4	116.2
350			115.9	108.8		110.3	128.3	122.0
300						252.3		
LONG	-70.53	-70.24	-69.93	-69.60	-69.24	-68.87	-68.46	-68.02
LAT	-27.51	-29.34	-31.42	-33.44	-35.51	-37.52	-39.53	-41.54
QUAL	23	33	33	33	33	33	23	23

Table III. —Continued

PASS 487 AT SOLANT, 6211 3								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	225855	225931	230008	230044	230121	230157	230233	230310
1000	0.284	0.276	0.268	0.267	0.259	0.268	0.255	0.254
950	0.307	0.300	0.297	0.296	0.288	0.296	0.284	0.284
900	0.343	0.336	0.333	0.334	0.324	0.332	0.320	0.320
850	0.388	0.382	0.378	0.381	0.369	0.375	0.365	0.363
800	0.442	0.437	0.436	0.438	0.431	0.435	0.419	0.421
750	0.525	0.520	0.516	0.520	0.517	0.515	0.496	0.496
700	0.647	0.638	0.629	0.632	0.631	0.631	0.598	0.601
650	0.814	0.799	0.789	0.779	0.799	0.799	0.748	0.748
600	1.061	1.043	1.030	1.048	1.035	1.041	0.967	0.965
550	1.440	1.427	1.394	1.452	1.397	1.415	1.296	1.290
500	2.039	2.059	1.987	1.975	1.962	2.041	1.817	1.798
450	3.035	3.157	2.995	2.959	2.927	3.082	2.726	2.628
400	4.560		4.595	4.522	4.517	4.595	4.192	3.906
350	6.863			6.675		6.611	6.156	5.587
300	9.168			8.361				
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	533.1	511.7	457.2	438.6	438.9	473.8	440.6	434.4
900	431.9	424.0	411.3	395.8	397.2	420.8	401.9	407.7
850	385.6	377.1	372.1	361.0	353.6	373.5	366.6	368.4
800	345.4	337.5	328.3	324.7	308.6	326.0	331.4	326.2
750	275.1	272.9	275.5	281.0	265.0	266.4	292.0	279.2
700	228.4	232.7	233.7	241.1	231.2	231.9	243.2	244.9
650	209.5	211.9	210.5	203.4	207.2	211.3	212.6	221.2
600	181.3	180.3	183.5	184.5	187.0	181.7	186.2	192.4
550	156.7	150.6	156.0	171.1	163.3	152.6	162.2	163.9
500	134.3	126.4	131.8	157.7	135.5	126.6	136.0	142.0
450	121.9	113.8	118.4	117.2	118.6	121.7	119.3	127.0
400	126.0		115.8	123.4	124.0	129.9	120.3	132.3
350	134.4			145.6		173.4	151.4	163.4
300	236.5			515.3				
LONG	-67.54	-67.01	-66.44	-65.81	-65.09	-64.34	-63.46	-62.48
LAT	-43.60	-45.60	-47.64	-49.62	-51.65	-53.63	-55.58	-57.58
QUAL	33	23	23	32	22	23	21	22

Table III - Continued

PASS 487 AT SOLANO, 6211.3				
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)				
HEIGHT	TIME (UT)			
	230422	230455	230535	230611
1000	0.256	0.258	0.259	0.260
950	0.290	0.282	0.291	0.293
900	0.330	0.331	0.333	0.333
850	0.377	0.380	0.383	0.383
800	0.433	0.443	0.447	0.449
750	0.509	0.524	0.531	0.536
700	0.610	0.640	0.642	0.655
650	0.763	0.793	0.799	0.820
600	0.974	1.020	1.027	1.052
550	1.318	1.355	1.358	1.407
500	1.860	1.875	1.863	1.901
450	2.733	2.707	2.676	2.703
400	4.029	3.696	3.799	3.707
350	5.760	5.133	5.161	5.302
300				
HEIGHT	SCALE HEIGHT, KM			
	230422	230455	230535	230611
950	391.8	404.9	401.8	402.7
900	379.1	379.2	363.8	366.4
850	361.7	345.2	338.6	339.6
800	340.9	305.5	310.0	300.6
750	297.2	266.8	279.3	265.0
700	241.6	246.4	246.8	237.7
650	215.9	225.8	212.4	213.9
600	194.7	195.7	193.4	188.2
550	164.2	169.1	172.8	169.2
500	138.3	145.2	146.3	143.3
450	127.7	136.7	139.8	140.3
400	134.4	139.6	150.3	153.4
350	174.1	173.6	189.9	236.4
300				
LONG	-60.12	-58.72	-56.99	-55.08
LAT	-61.44	-63.40	-65.28	-67.14
QUAL	32	21	21	31

Table III.—Continued

PASS 493 AT SOLANT, 0211 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	95227	95303	95339	95433	95509	95546	95623	95659
1000	0.222	0.197	0.195	0.183	0.185	0.192	0.196	0.198
950	0.252	0.223	0.217	0.203	0.207	0.211	0.212	0.215
900	0.265	0.256	0.246	0.228	0.233	0.234	0.234	0.237
850	0.330	0.295	0.282	0.259	0.266	0.264	0.262	0.266
800	0.393	0.349	0.330	0.300	0.311	0.301	0.297	0.304
750	0.471	0.420	0.387	0.352	0.367	0.349	0.344	0.354
700	0.580	0.513	0.464	0.418	0.446	0.417	0.411	0.425
650	0.730	0.644	0.572	0.515	0.553	0.514	0.514	0.524
600	0.949	0.819	0.720	0.659	0.708	0.674	0.656	0.669
550	1.262	1.077	0.937	0.877	0.939	0.907	0.868	0.896
500	1.713	1.457	1.257	1.241	1.287	1.251	1.202	1.237
450	2.362	1.992	1.720	1.800	1.837	1.813	1.732	1.797
400	3.251	2.760	2.377	2.621	2.670	2.651	2.573	2.655
350	4.250	3.763	3.275	3.770	3.879	3.816	3.723	3.892
300			4.150		5.036	4.959	4.724	4.865
HEIGHT	SCALE HEIGHT, KM							
	95227	95303	95339	95433	95509	95546	95623	95659
950	405.2	386.0	421.9	443.7	436.1	510.3	569.3	551.7
900	370.1	356.1	379.6	402.0	396.3	451.9	479.1	481.3
850	312.9	321.5	346.9	366.0	347.6	394.2	414.9	402.2
800	284.5	290.7	328.5	333.9	308.2	362.0	365.1	348.7
750	256.3	259.7	289.2	304.3	281.7	310.7	315.3	298.2
700	227.2	232.8	254.6	271.2	248.6	257.6	253.2	261.7
650	207.2	218.1	230.9	220.3	218.0	216.1	218.5	224.4
600	187.6	201.2	211.8	187.8	195.5	187.9	189.8	190.5
550	171.7	176.9	186.5	165.6	173.1	164.8	169.7	172.0
500	160.4	164.9	167.2	137.4	152.7	147.4	145.6	148.2
450	154.8	156.9	158.4	135.3	137.2	133.4	132.0	130.4
400	169.6	156.4	152.9	132.4	133.1	134.2	129.6	125.6
350	220.7	186.5	175.6	154.8	149.1	152.7	159.3	153.2
300			308.9		301.0	327.1	413.1	571.6
LONG	-81.67	-80.04	-78.71	-76.99	-75.99	-75.07	-74.28	-73.58
LAT	-64.57	-62.67	-60.76	-57.87	-55.93	-53.91	-51.89	-49.91
QUAL	31	31	21	22	22	12	11	21

Table III.—Continued

PASS 493 AT SOLANT, 6211 4				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	95734	95812	95848	95924
1000	0.200	0.193	0.182	0.184
950	0.216	0.204	0.195	0.196
900	0.237	0.222	0.213	0.213
850	0.265	0.250	0.238	0.239
800	0.301	0.280	0.269	0.271
750	0.348	0.324	0.310	0.311
700	0.415	0.389	0.365	0.368
650	0.506	0.473	0.441	0.444
600	0.642	0.582	0.553	0.549
550	0.841	0.763	0.726	0.721
500	1.156	1.041	0.988	0.971
450	1.658	1.484	1.404	1.360
400	2.436	2.203	2.103	1.987
350	3.566	3.320	3.173	2.989
300	4.721	4.648	4.545	4.465
HEIGHT	SCALE HEIGHT, KM			
	95734	95812	95848	95924
950	573.0	741.7	619.3	681.9
900	495.8	526.0	516.0	522.2
850	420.4	419.0	425.6	436.9
800	374.2	381.7	377.1	378.3
750	309.1	326.9	331.6	335.1
700	267.1	267.5	288.5	290.4
650	234.5	246.1	252.6	249.1
600	207.6	218.2	200.5	212.0
550	174.2	171.4	170.6	185.6
500	149.1	155.7	154.3	161.7
450	135.9	136.0	135.3	142.2
400	130.4	123.3	122.6	127.6
350	141.9	129.7	125.8	120.8
300	315.4	196.4	194.0	139.8
LONG	-72.99	-72.38	-71.86	-71.38
LAT	-47.99	-45.90	-43.90	-41.91
QUAL	21	22	21	22

Table III.—Continued

PASS 493 AT AGASTA, 6211 4				
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)				
HEIGHT	TIME (UT)			
	100907	100943	101113	101259
1000	0.129	0.128	0.127	0.116
950	0.137	0.133	0.132	0.120
900	0.148	0.144	0.136	0.123
850	0.163	0.157	0.140	0.127
800	0.179	0.172	0.145	0.135
750	0.195	0.191	0.156	0.143
700	0.213	0.217	0.174	0.153
650	0.233	0.251	0.195	0.168
600	0.260	0.294	0.234	0.189
550	0.299	0.365	0.296	0.225
500	0.397	0.478	0.401	0.303
450	0.547	0.654	0.599	0.428
400	0.797	0.948	0.877	0.656
350	1.282	1.512	1.348	1.021
300	2.140	2.499	2.220	1.718
HEIGHT	SCALE HEIGHT, KM			
	735.2	849.4	1537.9	2148.3
950	735.2	849.4	1537.9	2148.3
900	618.4	666.3	1579.0	1695.8
850	542.3	559.0	1335.8	1214.0
800	552.9	510.4	1092.6	847.8
750	568.9	434.4	791.5	772.2
700	548.7	367.6	473.3	639.9
650	496.8	328.9	358.7	491.6
600	401.5	290.2	248.0	361.9
550	300.5	217.4	197.6	236.9
500	156.9	175.5	147.5	157.8
450	149.7	149.6	134.6	132.6
400	116.6	124.7	128.5	118.9
350	97.5	100.8	108.3	107.3
300	101.4	105.7	93.6	91.6
LONG	-66.74	-66.55	-66.07	-65.53
LAT	-9.32	-7.29	-2.24	3.72
QUAL	23	23	23	23

Table III. —Continued

PASS 493 AT QUITOE, 6211 4			
ELECTRON DENSITY IN ELECTRONS PER CC (x10-5)			
HEIGHT	TIME (UT)		
	101537	101613	101648
1000	0.176	0.174	0.172
950	0.179	0.177	0.175
900	0.183	0.183	0.181
850	0.188	0.192	0.190
800	0.196	0.202	0.202
750	0.207	0.214	0.217
700	0.221	0.232	0.239
650	0.240	0.257	0.271
600	0.274	0.294	0.323
550	0.339	0.358	0.407
500	0.448	0.470	0.541
450	0.615	0.647	0.740
400	0.876	0.946	1.049
350	1.305	1.428	1.564
300			
HEIGHT	SCALE HEIGHT, KM		
950	2615.2	1930.3	2157.6
900	2051.8	1482.9	1482.9
850	1423.3	960.7	861.2
800	1090.1	908.1	784.4
750	830.9	756.4	588.1
700	679.4	543.7	464.4
650	517.2	419.6	334.1
600	265.6	326.8	253.1
550	217.6	209.0	196.2
500	163.8	169.7	161.4
450	149.7	141.0	154.2
400	135.7	129.8	136.5
350	113.0	117.6	125.3
300			
LONG	-64.86	-64.45	-64.25
LAT	12.01	14.63	16.60
QUAL	33	33	33

Table III.—Continued

PASS 494 AT FTMYS, 6211 4			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	101726	101857	101933
1000	0.164	0.156	0.149
950	0.169	0.160	0.156
900	0.177	0.165	0.162
850	0.187	0.175	0.171
800	0.197	0.190	0.183
750	0.212	0.203	0.201
700	0.234	0.224	0.223
650	0.269	0.253	0.253
600	0.325	0.298	0.296
550	0.406	0.372	0.373
500	0.539	0.488	0.497
450	0.758	0.678	0.683
400	1.147	0.998	0.998
350	1.762		1.485
300			2.174
HEIGHT	SCALE HEIGHT, KM		
	1613.7	1887.4	1273.0
950	1613.7	1887.4	1273.0
900	1134.3	1256.7	994.3
650	950.5	915.0	810.7
800	780.6	703.2	653.9
750	615.0	584.5	563.1
700	465.3	485.2	472.3
650	310.1	383.8	377.4
600	243.5	267.4	278.7
550	201.0	212.2	195.7
500	168.8	164.1	164.7
450	133.5	148.6	148.8
400	117.9	118.2	130.5
350	142.7		125.7
300			149.3
LONG	-64.61	-63.41	-63.15
LAT	18.73	23.82	25.83
QUAL	33	33	33

Table III.—Continued

PASS 494 AT OTTAWA, 6211 4		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	102122	102423
1000	0.124	0.062
950	0.130	0.065
900	0.138	0.069
850	0.148	0.074
800	0.160	0.080
750	0.178	0.089
700	0.200	0.100
650	0.234	0.115
600	0.265	0.134
550	0.309	0.163
500	0.508	0.204
450	0.734	0.262
400	1.083	0.341
350	1.623	
300		
HEIGHT	SCALE HEIGHT, KM	
	906.0	899.0
950	791.8	811.8
900	667.7	685.6
850	565.3	558.0
800	482.3	444.3
750	399.3	393.1
700	308.3	354.3
650	231.8	312.4
600	180.4	244.4
550	147.8	216.4
500	135.1	200.5
450	128.0	182.9
400	122.3	
350		
300		
LONG	-62.27	-60.35
LAT	31.91	41.96
QUAL	33	33

Table III.—Continued

PASS 501 AT RESLUT, 6211 4						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	225803	225844	230032	230222	230311	230524
1000	0.048	0.149	0.105	0.228	0.135	0.220
950	0.055	0.165	0.115	0.253	0.152	0.247
900	0.063	0.184	0.128	0.283	0.172	0.284
850	0.072	0.204	0.139	0.319	0.196	0.336
800	0.086	0.229	0.150	0.362	0.226	0.393
750	0.102	0.259	0.161	0.414	0.263	0.467
700	0.123	0.298	0.173	0.480	0.310	0.564
650	0.148	0.347	0.188	0.565	0.371	0.695
600	0.179	0.410	0.209	0.674	0.453	0.870
550	0.221	0.497	0.241	0.816	0.566	1.122
500	0.279	0.616	0.290	1.011	0.711	1.463
450	0.360	0.782	0.360	1.290	0.912	1.932
400	0.498	1.006	0.464	1.674	1.176	2.595
350	0.708	1.342	0.595	2.228	1.512	
300	1.015	1.882			1.896	
HEIGHT	SCALE HEIGHT, KM					
	390.5	470.4		457.5	408.9	396.4
950						
900	356.2	473.8		432.0	389.8	336.6
850	318.9	450.9		408.3	367.2	309.0
800	301.3	417.8	674.8	386.7	342.5	301.9
750	284.9	383.2	698.3	352.5	316.2	276.4
700	276.7	347.9	642.8	321.4	292.0	251.6
650	266.4	318.6	543.1	297.6	264.5	231.3
600	247.0	276.0	423.9	273.9	234.2	213.9
550	222.8	246.4	322.4	248.5	226.0	199.5
500	212.6	226.6	255.2	217.9	217.3	186.7
450	166.5	207.7	217.7	204.5	201.7	175.4
400	152.2	187.9	196.9	183.0	199.4	167.7
350	142.3	165.4	241.4	169.3	209.4	
300	130.7	148.5			254.7	
LONG	-148.26	-137.49	-122.14	-106.39	-103.26	-97.31
LAT	79.87	78.81	74.78	69.61	67.14	60.16
QUAL	33	32	31	33	31	33

Table III. —Continued

PASS 501 AT OTTAWA, 6211 4							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	230544	230618	231138	231214	231251	231327	231403
1000	0.253	0.252	0.155	0.156	0.162	0.169	0.177
950	0.273	0.275	0.172	0.172	0.179	0.185	0.191
900	0.313	0.316	0.195	0.192	0.198	0.206	0.211
850	0.364	0.374	0.220	0.216	0.223	0.231	0.233
800	0.423	0.439	0.253	0.247	0.253	0.262	0.264
750	0.512	0.516	0.294	0.287	0.292	0.302	0.305
700	0.633	0.631	0.353	0.344	0.348	0.361	0.360
650	0.800	0.788	0.428	0.419	0.426	0.442	0.442
600	1.016	0.997	0.539	0.531	0.541	0.561	0.557
550	1.306	1.282	0.698	0.698	0.719	0.736	0.732
500	1.690	1.663	0.935	0.941	0.972	0.995	0.995
450	2.212	2.192	1.277	1.297	1.358	1.378	1.361
400	2.921	2.902	1.784	1.870	1.954	1.935	1.922
350	3.657	3.609	2.653	2.818	2.916	2.893	2.919
300			3.970	4.483	4.462		4.597
HEIGHT	SCALE HEIGHT, KM						
	503.0	448.4	445.2	483.5	486.7	497.1	581.8
950	503.0	448.4	445.2	483.5	486.7	497.1	581.8
900	390.5	391.1	402.2	436.2	453.4	447.1	501.7
850	351.1	333.8	369.3	398.9	416.2	417.2	452.5
800	297.4	305.8	340.1	355.2	373.4	370.0	379.0
750	262.5	281.4	310.9	303.7	311.1	313.2	320.6
700	228.5	243.9	278.3	269.5	271.5	271.0	277.5
650	218.1	221.6	245.2	240.4	232.7	234.7	240.0
600	206.0	208.5	215.2	207.9	194.7	206.1	204.2
550	195.7	199.3	187.1	177.7	176.8	180.4	173.2
500	191.9	187.7	170.5	166.9	158.1	160.6	165.5
450	183.6	181.7	156.8	146.0	146.8	151.9	155.8
400	198.5	202.8	140.1	131.0	131.0	138.6	132.2
350	260.2	283.0	119.8	109.7	118.1	109.0	107.8
300			132.4	119.2	124.3		127.2
LONG	-96.05	-95.65	-89.85	-89.44	-89.05	-88.71	-88.37
LAT	59.09	57.26	39.67	37.67	35.60	33.59	31.58
QUAL	33	33	23	23	23	23	23

Table III.—Continued

PASS 501 AT AGASTA, 6211 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	232918	232954	233030	233107	233143	233219	233426	233503
1000	0.310	0.304	0.299	0.286	0.269	0.260	0.235	0.237
950	0.350	0.341	0.333	0.321	0.303	0.291	0.261	0.265
900	0.399	0.385	0.377	0.364	0.346	0.330	0.294	0.300
850	0.465	0.448	0.438	0.420	0.403	0.380	0.338	0.342
800	0.553	0.536	0.522	0.498	0.480	0.457	0.399	0.401
750	0.682	0.659	0.637	0.606	0.581	0.560	0.483	0.477
700	0.934	0.844	0.807	0.784	0.733	0.697	0.593	0.582
650	1.359	1.170	1.068	1.037	0.965	0.914	0.769	0.732
600	2.195	1.778	1.495	1.450	1.326	1.254	1.030	0.958
550	3.914	2.915	2.250	2.126	1.941	1.801	1.434	1.315
500	7.008		3.646	3.350		2.708	2.116	1.895
450	10.865		6.234	5.401		4.314	3.225	2.867
400	14.658		11.474	8.884		6.896	5.029	4.470
350				14.450		10.865	7.646	6.818
300							10.729	9.797
HEIGHT	SCALE HEIGHT, KM							
	400.0	417.6	417.8	411.0	393.9	410.1	426.4	416.3
950	400.0	417.6	417.8	411.0	393.9	410.1	426.4	416.3
900	353.1	363.9	361.4	369.7	352.2	362.2	386.2	388.2
850	316.1	306.2	308.5	322.4	311.8	318.0	339.1	348.9
800	254.2	266.8	270.8	273.1	274.4	274.3	282.6	298.7
750	201.8	226.3	235.1	224.2	238.5	237.8	252.1	271.9
700	159.6	180.6	203.0	199.4	199.1	210.2	222.6	236.5
650	124.7	139.1	170.2	171.1	175.0	179.4	190.3	204.5
600	92.0	111.4	138.9	141.3	145.6	151.7	164.3	179.0
550	85.9	92.8	114.4	121.7	124.3	131.9	142.9	152.2
500	93.7		96.7	102.6		116.5	125.8	128.0
450	139.9		88.7	103.7		104.5	115.3	116.9
400	239.3		83.3	102.9		109.7	116.6	115.1
350				108.3		117.5	125.9	125.0
300							287.3	167.6
LONG	-82.80	-82.57	-82.31	-82.05	-81.76	-81.47	-80.25	-79.84
LAT	-20.07	-22.10	-24.13	-26.22	-28.25	-30.27	-37.39	-39.46
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 501 AT AGASTA, 6211 4			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	233539	233615	233651
1000	0.226	0.231	0.226
950	0.252	0.256	0.249
900	0.285	0.288	0.278
850	0.325	0.330	0.319
800	0.383	0.388	0.372
750	0.458	0.466	0.437
700	0.555	0.564	0.539
650	0.708	0.724	0.683
600	0.923	0.950	0.914
550	1.254	1.281	1.250
500	1.783	1.832	1.783
450	2.668	2.706	2.634
400	4.022	4.157	4.027
350		6.206	6.080
300		8.401	
HEIGHT	SCALE HEIGHT, KM		
	416.7	433.2	468.0
950	416.7	433.2	468.0
900	380.3	389.5	410.4
850	344.2	342.2	360.3
800	304.7	291.6	313.3
750	267.3	263.5	269.2
700	232.0	236.1	232.2
650	205.4	204.3	198.9
600	179.5	176.7	177.0
550	154.8	155.5	151.7
500	139.4	139.3	135.8
450	127.7	122.8	124.5
400	113.0	118.0	116.0
350		136.8	136.7
300		260.1	
LONG	-79.40	-78.93	-78.42
LAT	-41.46	-43.46	-45.46
QUAL	33	33	33

Table III.—Continued

PASS 501 AT SOLANT, 6211 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	233314	233350	233426	233502	233539	233615	233651	233804
1000	0.210	0.240	0.243	0.241	0.240	0.249	0.248	0.236
950	0.240	0.271	0.272	0.271	0.269	0.277	0.272	0.264
900	0.278	0.311	0.308	0.307	0.303	0.312	0.302	0.298
850	0.324	0.360	0.354	0.352	0.349	0.353	0.344	0.339
800	0.389	0.424	0.413	0.412	0.409	0.411	0.398	0.394
750	0.480	0.514	0.499	0.493	0.490	0.488	0.471	0.468
700	0.605	0.643	0.620	0.606	0.605	0.605	0.581	0.568
650	0.791	0.835	0.796	0.768	0.770	0.767	0.754	0.716
600	1.079	1.136	1.062	1.014	1.015	1.009	1.002	0.929
550	1.558	1.611	1.497	1.421	1.388	1.380	1.376	1.265
500	2.395	2.400	2.236	2.102	2.013	1.963	1.978	1.807
450	3.890	3.715	3.505	3.288	3.066	2.946	2.975	2.739
400	6.427	5.957	5.555	5.239		4.673	4.557	4.278
350	10.167		8.571	7.978		7.027	6.724	6.416
300	13.958		11.214			8.825		
HEIGHT	SCALE HEIGHT, KM							
	354.6	385.0	415.0	415.0	430.6	445.6	481.2	426.8
950	354.6	385.0	415.0	415.0	430.6	445.6	481.2	426.8
900	327.5	357.1	380.0	375.4	383.7	413.4	427.5	396.1
850	295.1	322.7	338.2	342.0	331.6	360.9	364.4	358.5
800	261.4	283.7	289.6	300.0	298.8	304.0	334.2	319.1
750	229.5	242.4	251.8	260.0	257.6	262.1	261.2	277.5
700	201.1	208.2	219.7	226.9	222.4	231.4	215.9	232.5
650	179.9	183.2	195.4	202.2	200.5	202.2	193.6	207.9
600	153.4	157.4	164.7	170.5	176.0	177.5	171.4	182.0
550	128.0	136.6	136.8	139.6	150.0	154.8	149.4	153.3
500	109.3	119.8	118.2	120.8	125.9	132.3	131.0	131.8
450	98.6	110.4	107.1	105.7	114.4	115.3	120.0	114.2
400	105.0	106.6	110.3	112.7		112.0	119.1	115.6
350	124.6		132.7	125.0		152.2	152.6	150.3
300	233.4		496.0			407.1		
LONG	-80.97	-80.63	-80.25	-79.86	-79.40	-78.93	-78.42	-77.22
LAT	-33.36	-35.38	-37.39	-39.40	-41.46	-43.46	-45.46	-49.49
QUAL	23	23	22	22	23	22	22	22

Table III.—Continued

PASS 501 AT SOLANT, 6211 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10 ⁻⁵)								
HEIGHT	TIME (UT)							
	233840	233938	234050	234127	234203	234239	234315	234352
1000	0.243	0.246	0.241	0.236	0.262	0.262	0.267	0.264
950	0.270	0.273	0.267	0.264	0.292	0.295	0.300	0.297
900	0.303	0.307	0.300	0.296	0.329	0.334	0.343	0.339
850	0.343	0.351	0.342	0.336	0.376	0.380	0.395	0.393
800	0.398	0.407	0.397	0.389	0.434	0.440	0.464	0.460
750	0.469	0.479	0.466	0.457	0.509	0.518	0.554	0.550
700	0.568	0.581	0.562	0.549	0.611	0.620	0.679	0.674
650	0.715	0.727	0.697	0.681	0.749	0.759	0.859	0.855
600	0.932	0.938	0.888	0.872	0.943	0.960	1.112	1.101
550	1.259	1.259	1.183	1.151	1.239	1.268	1.471	1.467
500	1.803	1.786	1.648	1.585	1.689	1.728	1.990	1.990
450	2.696	2.662	2.405	2.295	2.389	2.434	2.737	2.743
400	4.151	4.102	3.615	3.417	3.374	3.451	3.791	3.822
350	6.154	6.003	5.267	5.012	4.697	4.774	5.065	5.121
300					5.925			
HEIGHT	SCALE HEIGHT, KM							
	450.3	446.5	447.8	438.3	441.0	416.2	404.2	400.0
950	450.3	446.5	447.8	438.3	441.0	416.2	404.2	400.0
900	415.6	400.6	404.9	412.3	395.6	397.7	363.0	354.2
850	370.2	358.8	360.5	367.8	364.4	363.5	334.6	328.3
800	322.6	322.6	326.4	333.4	330.2	321.2	298.0	296.0
750	292.9	281.4	285.6	290.6	290.8	289.3	260.5	259.7
700	232.1	238.6	246.8	249.6	266.7	266.7	231.9	232.4
650	209.5	215.8	225.2	225.3	236.9	233.5	206.5	214.2
600	183.8	188.8	198.5	199.0	201.6	198.1	185.8	182.8
550	156.5	159.5	165.1	171.4	173.9	173.7	175.1	172.6
500	132.4	135.8	144.6	148.8	153.7	154.4	161.9	159.7
450	120.9	119.3	126.6	131.0	145.7	145.3	155.4	153.8
400	118.4	124.5	129.2	126.7	146.2	146.3	158.2	155.9
350	142.0	148.1	146.4	141.8	177.6	182.1	210.1	234.6
300					320.8			
LONG	-76.52	-75.25	-73.33	-72.10	-70.82	-69.23	-67.45	-65.34
LAT	-51.46	-54.63	-58.53	-60.51	-62.43	-64.32	-66.19	-68.09
QUAL	22	22	22	23	21	31	31	31

Table III. —Continued

PASS 507 AT AGASTA, 6211 5				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	103818	103854	103931	104007
1000	0.166	0.177	0.174	0.181
950	0.190	0.201	0.198	0.203
900	0.217	0.228	0.227	0.230
850	0.252	0.264	0.262	0.263
800	0.297	0.309	0.306	0.302
750	0.355	0.367	0.361	0.349
700	0.426	0.442	0.430	0.410
650	0.528	0.546	0.525	0.486
600	0.680	0.700	0.660	0.599
550	0.900	0.919	0.859	0.748
500	1.243	1.299	1.176	1.028
450	1.843	1.904	1.693	1.435
400	2.906	2.923	2.554	2.088
350	4.435	4.420	3.787	3.078
300	5.935		5.355	4.355
HEIGHT	SCALE HEIGHT, KM			
	103818	103854	103931	104007
950	375.4	389.1	379.6	413.0
900	344.3	358.5	355.4	386.6
850	320.9	333.8	335.0	367.6
800	297.8	309.0	316.3	348.4
750	278.8	283.0	295.3	328.8
700	260.2	253.8	272.6	299.4
650	216.8	219.3	237.5	265.7
600	188.8	195.2	203.4	231.0
550	169.9	170.1	175.7	196.7
500	143.4	140.1	153.5	169.8
450	120.3	124.9	131.2	145.9
400	112.3	116.5	123.7	128.4
350	133.5	130.7	134.4	136.0
300	255.8		168.2	154.3
LONG	-81.68	-81.31	-80.97	-80.64
LAT	-36.84	-34.83	-32.77	-30.76
QUAL	22	33	33	23

Table III.—Continued

PASS 507 AT QUITOE, 6211 5		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	104950	105103
1000	0.137	0.127
950	0.147	0.133
900	0.160	0.142
850	0.174	0.151
800	0.190	0.163
750	0.209	0.178
700	0.234	0.195
650	0.274	0.219
600	0.339	0.260
550	0.436	0.330
500	0.639	0.456
450	1.049	0.693
400	1.770	1.071
350	2.925	1.761
300		3.224
HEIGHT	SCALE HEIGHT, KM	
950	648.7	951.8
900	601.0	834.4
850	594.9	715.0
800	562.9	617.9
750	480.2	570.1
700	386.7	483.4
650	258.3	380.1
600	218.2	227.0
550	169.6	183.2
500	110.2	138.0
450	100.0	119.9
400	97.1	110.5
350	109.5	93.9
300		77.5
LONG	-77.05	-76.66
LAT	1.94	6.04
QUAL	33	33

Table III. —Continued

PASS 508 AT OTTAWA, 6211 5			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	110702	110720	110738
1000	0.065	0.071	0.083
950	0.075	0.080	0.092
900	0.065	0.088	0.102
850	0.098	0.105	0.118
800	0.112	0.127	0.139
750	0.129	0.146	0.163
700	0.153	0.165	0.189
650	0.182	0.192	0.221
600	0.217	0.228	0.261
550	0.260	0.276	0.319
500	0.322	0.341	0.405
450	0.414	0.438	0.538
400	0.545	0.586	0.722
350	0.753	0.814	0.986
300	1.108	1.244	1.389
HEIGHT	SCALE HEIGHT, KM		
	361.1	432.9	461.4
950	361.1	432.9	461.4
900	361.0	378.2	398.7
850	351.2	340.6	366.9
800	341.4	318.7	338.0
750	331.6	327.7	324.8
700	317.3	336.8	322.5
650	302.6	317.4	309.0
600	282.4	282.1	274.0
550	252.3	251.0	232.7
500	215.6	221.1	197.1
450	195.3	188.5	183.5
400	171.6	166.0	168.5
350	143.2	139.2	154.0
300	130.6	115.3	146.6
LONG	-65.41	-64.77	-64.13
LAT	59.22	60.18	61.14
QUAL	23	23	33

Table III.—Continued

PASS 508 AT RESLUT, 6211: 5.						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	110716	110754	110848	111233	111309	111515
1000	0.064	0.063	0.075	0.010	0.005	0.122
950	0.073	0.072	0.084	0.013	0.006	0.137
900	0.086	0.083	0.094	0.016	0.008	0.156
850	0.098	0.097	0.105	0.020	0.009	0.178
800	0.114	0.113	0.120	0.024	0.013	0.203
750	0.133	0.132	0.137	0.030	0.016	0.234
700	0.156	0.155	0.158	0.038	0.022	0.272
650	0.184	0.184	0.183	0.049	0.030	0.320
600	0.220	0.219	0.215	0.064	0.040	0.380
550	0.264	0.264	0.260	0.084	0.054	0.459
500	0.325	0.324	0.321	0.114	0.076	0.563
450	0.412	0.412	0.414	0.152	0.105	0.708
400	0.547	0.545	0.563	0.212	0.149	0.921
350	0.763	0.769	0.821	0.295	0.210	1.271
300	1.164	1.158	1.346	0.406	0.294	1.815
HEIGHT	SCALE HEIGHT, KM					
	361.0	351.5	437.2	219.7	248.5	404.9
950	361.0	351.5	437.2	219.7	248.5	404.9
900	340.6	335.8	428.8	229.1	267.7	386.6
850	344.8	334.5	409.0	238.5	203.4	373.8
800	331.9	325.9	390.8	228.7	185.7	364.2
750	320.0	316.6	373.5	218.3	176.2	343.1
700	311.4	307.4	349.5	206.5	171.2	322.0
650	292.8	288.3	316.7	185.6	167.7	306.0
600	278.5	276.3	283.8	186.9	164.4	277.1
550	261.1	261.6	256.9	178.6	161.1	254.9
500	223.8	224.0	219.8	173.4	156.0	231.9
450	194.1	189.4	179.3	167.7	150.1	203.4
400	165.0	167.6	156.1	150.9	147.6	173.4
350	139.4	141.0	117.4	154.6	148.0	154.0
300	110.0	118.2	100.2	183.6	152.1	133.2
LONG	-64.90	-63.56	-61.24	-41.60	-35.71	-2.97
LAT	59.96	61.99	64.82	75.69	77.14	80.27
QUAL	33	31	32	12	23	33

Table III.—Continued

PASS 528 AT RESLUT, 6211 6								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	222557	222615	222633	222651	222745	222802	222841	222859
1000	0.209	0.184	0.212	0.243	0.232	0.320	0.267	0.262
950	0.228	0.204	0.229	0.271	0.260	0.353	0.297	0.296
900	0.248	0.224	0.250	0.307	0.293	0.393	0.337	0.337
850	0.272	0.248	0.279	0.353	0.332	0.451	0.394	0.389
800	0.307	0.280	0.323	0.405	0.379	0.531	0.469	0.453
750	0.354	0.334	0.384	0.473	0.439	0.638	0.561	0.536
700	0.411	0.405	0.459	0.566	0.511	0.774	0.692	0.635
650	0.475	0.483	0.549	0.688	0.620	0.961	0.878	0.781
600	0.545	0.569	0.654	0.847	0.760	1.224	1.131	1.001
550	0.639	0.674	0.798	1.072	0.943	1.586	1.479	1.306
500	0.764	0.824	0.986	1.381	1.188	2.075	1.945	1.726
450	0.926	1.002	1.181	1.750	1.519	2.664	2.557	2.307
400	1.132	1.199	1.357	2.108	1.866		3.267	3.001
350	1.369						3.872	
300								
HEIGHT	SCALE HEIGHT, KM							
	585.1	507.6	596.5	421.9	421.2	487.5	419.6	394.7
950	585.1	507.6	596.5	421.9	421.2	487.5	419.6	394.7
900	538.8	492.1	500.0	386.3	405.4	400.3	366.8	366.8
850	455.9	425.7	399.2	368.3	383.8	351.4	312.5	336.3
800	417.2	369.9	346.1	336.3	357.2	309.7	280.6	308.3
750	391.6	332.3	306.1	303.9	326.3	275.5	261.0	288.7
700	365.9	294.8	284.3	271.6	295.3	246.2	232.8	269.1
650	346.9	286.7	277.3	251.5	270.5	221.3	204.7	237.5
600	329.0	283.4	270.4	228.8	246.1	205.1	192.5	196.5
550	306.1	279.1	265.3	206.5	225.9	191.8	188.8	188.0
500	280.1	272.1	262.3	211.8	220.5	194.8	182.7	175.2
450	262.3	271.5	318.5	234.6	228.2	217.6	194.5	180.1
400	250.6	285.0	521.9	347.5	259.1		251.8	207.2
350	239.1						427.6	
300								
LONG	-170.39	-164.46	-158.47	-152.48	-136.84	-132.21	-124.15	-120.43
LAT	80.43	80.39	80.30	80.21	79.16	78.75	77.38	76.75
QUAL	33	33	31	31	33	33	22	33

Table III.—Continued

PASS 528 AT RESLUT, 6211 6								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	222932	222953	223010	223123	223141	223159	223218	223235
1000	0.261	0.261	0.211	0.234	0.234	0.204	0.254	0.217
950	0.303	0.300	0.240	0.261	0.262	0.225	0.289	0.239
900	0.349	0.353	0.278	0.291	0.292	0.252	0.325	0.268
850	0.406	0.407	0.327	0.330	0.330	0.289	0.367	0.311
800	0.484	0.478	0.387	0.379	0.378	0.344	0.423	0.364
750	0.592	0.567	0.472	0.441	0.442	0.413	0.499	0.423
700	0.736	0.717	0.602	0.525	0.525	0.495	0.595	0.505
650	0.937	0.915	0.763	0.638	0.627	0.591	0.716	0.614
600	1.200	1.179	0.956	0.787	0.773	0.724	0.875	0.759
550	1.540	1.544	1.220	0.975	0.956	0.933	1.079	0.950
500	2.015	2.033	1.576	1.238	1.214	1.195	1.343	1.206
450	2.653	2.683	2.031	1.598	1.561	1.516	1.675	1.539
400	3.467		2.603	2.108	2.060	1.924	2.073	1.970
350				2.763	2.718	2.432	2.543	2.502
300						2.987	3.110	
HEIGHT	SCALE HEIGHT, KM							
	346.4	360.9	351.8	447.7	441.3	464.5	407.5	469.0
950	346.4	360.9	351.8	447.7	441.3	464.5	407.5	469.0
900	338.5	331.4	316.9	417.0	425.7	396.1	413.0	394.1
850	299.2	318.4	295.9	383.9	392.7	338.7	367.9	359.9
800	269.2	290.7	274.8	346.3	345.5	296.6	336.0	329.1
750	248.7	262.6	254.6	307.7	298.4	273.4	308.0	305.1
700	228.2	224.5	235.5	278.2	282.7	264.5	284.1	273.0
650	207.9	202.4	218.9	253.8	266.9	255.7	263.4	250.2
600	202.7	192.6	211.5	234.7	247.2	239.5	246.8	235.3
550	194.9	185.9	205.4	220.6	227.4	210.7	235.8	215.9
500	184.7	181.4	199.9	207.2	210.6	207.8	232.7	210.2
450	184.0	181.2	199.2	190.2	191.8	211.9	230.5	207.1
400	231.8		203.8	183.7	181.8	213.1	239.2	206.4
350				195.6	194.0	230.0	246.8	216.9
300						262.2	254.9	
LONG	-115.57	-112.53	-110.48	-103.60	-102.25	-100.90	-99.80	-98.84
LAT	75.37	74.48	73.71	70.23	69.34	68.45	67.48	66.60
QUAL	33	33	33	33	33	33	33	33

Table III. —Continued

PASS 528 AT RESLUT, 6211 6								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	223254	223313	223331	223348	223407	223424	223442	223500
1000	0.413	0.335	0.265	0.194	0.284	0.221	0.119	0.161
950	0.440	0.356	0.281	0.210	0.311	0.236	0.135	0.176
900	0.471	0.382	0.304	0.232	0.345	0.256	0.152	0.196
850	0.513	0.412	0.337	0.264	0.388	0.281	0.174	0.223
800	0.578	0.444	0.375	0.306	0.440	0.330	0.201	0.256
750	0.670	0.478	0.418	0.354	0.504	0.410	0.237	0.297
700	0.782	0.518	0.488	0.413	0.578	0.491	0.287	0.348
650	0.908	0.559	0.579	0.501	0.692	0.577	0.347	0.415
600	1.069	0.599	0.690	0.611	0.839	0.721	0.432	0.508
550	1.309	0.672	0.827	0.751	1.037	0.933	0.545	0.623
500	1.606	0.799	0.989	0.932	1.304	1.179	0.681	0.785
450	1.967	0.968	1.222	1.188	1.649	1.491	0.874	1.007
400	2.411	1.256	1.525	1.542	2.119		1.121	1.338
350	2.953	1.633	1.969	2.041	2.740		1.424	1.812
300		2.169	2.607	2.698				2.548
HEIGHT	SCALE HEIGHT, KM							
	223254	223313	223331	223348	223407	223424	223442	223500
950	743.8	751.6	719.6	554.0	503.5	646.2	408.5	493.9
900	629.6	689.1	582.9	458.2	450.7	546.2	384.7	431.5
850	505.8	678.2	496.1	391.3	414.6	446.2	352.9	388.6
800	429.6	664.8	431.7	339.3	380.7	346.3	316.3	357.8
750	367.8	663.0	375.7	315.3	352.2	259.0	290.0	332.3
700	329.8	675.3	348.7	293.0	323.7	255.6	270.8	292.0
650	308.8	658.8	321.7	277.3	291.1	252.2	251.6	264.7
600	287.2	600.9	295.7	261.5	257.8	228.5	238.9	252.6
550	264.4	356.1	277.7	243.3	224.3	206.1	229.7	240.5
500	248.3	272.6	259.7	221.4	219.7	212.6	220.4	217.1
450	246.1	231.6	240.6	204.5	208.6	217.0	205.5	189.5
400	249.4	192.1	213.2	186.9	198.0		205.9	177.5
350	249.9	184.7	188.7	180.4	192.0		210.8	153.0
300		173.4	176.4	187.0				150.4
LONG	-97.77	-96.86	-96.07	-95.33	-94.56	-93.97	-93.35	-92.73
LAT	65.63	64.64	63.69	62.79	61.79	60.88	59.92	58.96
QUAL	33	33	33	33	23	33	33	33

Table III. —Continued

PASS 528 AT RESLUT, 6211 6	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	223518
1000	0.174
950	0.192
900	0.216
850	0.247
800	0.285
750	0.331
700	0.393
650	0.476
600	0.579
550	0.710
500	0.900
450	1.163
400	1.533
350	2.101
300	
HEIGHT	SCALE HEIGHT, KM
950	459.3
900	399.3
850	351.8
800	339.3
750	321.5
700	264.5
650	257.2
600	250.0
550	238.0
500	209.8
450	191.5
400	171.9
350	152.8
300	
LONG	-92.23
LAT	57.99
QUAL	33

Table III.—Continued

PASS 528 AT OTTAWA, 6211 6							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	223831	223907	223944	224020	224056	224132	224209
1000	0.178	0.156	0.163	0.148	0.153	0.150	0.145
950	0.206	0.182	0.187	0.171	0.176	0.172	0.166
900	0.236	0.211	0.215	0.198	0.204	0.198	0.191
850	0.274	0.248	0.249	0.231	0.236	0.230	0.221
800	0.322	0.295	0.292	0.272	0.277	0.270	0.259
750	0.388	0.355	0.345	0.324	0.328	0.319	0.307
700	0.475	0.436	0.422	0.394	0.394	0.386	0.372
650	0.589	0.537	0.525	0.488	0.493	0.479	0.460
600	0.765	0.698	0.674	0.623	0.635	0.613	0.593
550	1.022	0.915	0.874	0.821	0.831	0.810	0.771
500	1.405	1.235	1.183	1.116	1.127	1.086	1.037
450	1.972	1.710	1.648	1.553	1.571	1.490	1.434
400	2.752	2.383	2.320	2.228	2.231	2.099	2.028
350		3.297	3.274		3.218	3.006	2.936
300		4.274					4.229
HEIGHT	SCALE HEIGHT, KM						
	353.3	327.6	354.9	341.3	343.3	358.2	354.2
950	353.3	327.6	354.9	341.3	343.3	358.2	354.2
900	338.8	313.6	350.7	333.3	343.4	346.1	349.6
850	318.3	297.3	316.2	311.0	314.5	320.4	325.9
800	296.5	278.8	295.7	289.3	296.7	299.5	301.2
750	263.0	260.0	275.5	270.1	281.0	283.7	278.4
700	236.4	240.7	249.2	248.0	259.4	252.1	250.2
650	215.1	221.3	220.6	223.0	216.6	216.7	217.5
600	190.2	199.8	201.1	200.0	194.6	191.2	201.9
550	167.6	178.2	184.9	178.8	180.8	179.7	188.5
500	153.5	161.6	160.4	159.8	159.4	167.7	159.2
450	148.9	152.4	149.5	146.5	147.5	154.3	153.1
400	151.7	152.3	146.3	137.4	139.9	143.3	140.1
350		166.6	151.0		136.0	140.7	133.0
300		272.2					160.3
LONG	-88.07	-87.42	-86.90	-86.43	-85.99	-85.60	-85.21
LAT	47.70	45.47	43.42	41.42	39.42	37.42	35.36
QUAL	23	23	23	23	23	23	23

Table III.—Continued

PASS 528 AT OTTAWA, 6211 6						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	224245	224321	224357	224434	224510	224546
1000	0.153	0.146	0.140	0.142	0.145	0.128
950	0.173	0.165	0.159	0.161	0.160	0.147
900	0.197	0.187	0.181	0.181	0.178	0.168
850	0.227	0.216	0.207	0.207	0.202	0.192
800	0.265	0.253	0.238	0.240	0.233	0.220
750	0.314	0.300	0.279	0.279	0.272	0.253
700	0.375	0.358	0.337	0.331	0.324	0.306
650	0.469	0.439	0.407	0.401	0.392	0.373
600	0.600	0.551	0.513	0.506	0.496	0.465
550	0.781	0.718	0.653	0.645	0.641	0.614
500	1.041	0.950	0.871	0.856	0.874	0.845
450	1.431	1.273	1.178	1.151	1.213	1.164
400	1.988	1.760	1.618	1.605	1.697	1.689
350	2.822	2.509	2.310	2.323	2.505	2.552
300			3.403	3.544	3.958	4.106
HEIGHT	SCALE HEIGHT, KM					
	388.0	388.1	384.8	430.6	466.6	367.0
950	388.0	388.1	384.8	430.6	466.6	367.0
900	360.6	364.4	369.0	389.2	414.6	365.7
850	335.9	330.8	347.9	368.0	376.4	349.2
800	312.0	302.4	326.9	344.7	345.9	331.2
750	284.3	285.4	303.1	309.1	313.8	312.1
700	255.7	268.4	275.8	274.2	276.7	281.9
650	221.1	242.1	248.5	239.5	242.4	251.7
600	199.9	210.2	220.3	217.8	214.4	215.5
550	189.3	192.3	193.2	196.9	186.4	168.5
500	164.4	178.5	176.6	180.3	159.9	155.1
450	156.4	165.1	164.7	161.5	150.8	146.1
400	147.9	146.7	150.3	143.8	140.1	130.8
350	143.3	141.6	136.4	127.5	119.2	114.6
300			123.2	113.4	106.4	100.6
LONG	-84.86	-84.54	-84.25	-83.94	-83.67	-83.41
LAT	33.34	31.32	29.30	27.23	25.21	23.18
QUAL	23	23	23	23	23	23

Table III.—Continued

PASS 528 AT AGASTA, 6211 6								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	225524	225559	225635	225711	225749	230257	230333	230410
1000	0.671	0.650	0.695	0.690	0.649	0.292	0.271	0.225
950	0.768	0.760	0.810	0.805	0.764	0.326	0.303	0.247
900	0.899	0.890	0.944	0.943	0.912	0.370	0.350	0.278
850	1.001	1.046	1.120	1.107	1.092	0.430	0.403	0.318
800	1.295	1.289	1.399	1.334	1.318	0.516	0.478	0.381
750	1.659	1.672	1.809	1.677	1.660	0.634	0.579	0.464
700	2.218	2.215	2.389	2.206	2.156	0.792	0.720	0.566
650	3.071	3.061	3.284	2.992		1.028	0.917	0.745
600	4.340		4.466	4.127		1.414	1.213	1.009
550	5.951		5.897	5.540		2.003	1.717	1.391
500	7.933		7.651	7.222		3.012	2.526	1.998
450	10.211			9.297		4.853	3.882	3.120
400	12.111			11.653		7.689		4.906
350						11.799		7.519
300								10.769
HEIGHT	SCALE HEIGHT, KM							
	225524	225559	225635	225711	225749	230257	230333	230410
950	342.9	314.4	320.8	318.7	290.0	415.0	407.8	453.4
900	310.4	303.8	299.3	312.3	282.9	355.7	351.8	392.2
850	273.9	274.7	261.5	292.4	266.9	307.9	320.1	334.9
800	228.7	225.0	220.7	245.8	241.8	270.4	284.6	282.4
750	192.3	182.5	190.8	194.4	210.1	239.1	249.8	245.6
700	164.0	168.3	168.3	175.1	179.6	214.1	224.1	219.1
650	148.4	152.7	157.9	158.8		181.6	196.3	183.6
600	150.2		172.0	160.8		152.5	163.9	162.6
550	167.3		185.3	184.0		136.7	137.5	148.4
500	183.6		204.4	191.6		110.5	124.7	125.3
450	237.3			216.1		103.6	114.7	108.6
400	384.9			267.6		112.2		112.6
350						125.9		124.8
300								197.4
LONG	-80.12	-79.93	-79.72	-79.50	-79.27	-76.89	-76.51	-76.11
LAT	-9.50	-11.47	-13.51	-15.54	-17.69	-35.03	-37.05	-39.12
QUAL	23	33	33	33	33	33	33	33

Table III.—Continued

PASS 528 AT AGASTA, 6211 6					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	230446	230522	230635	230711	230747
1000	0.197	0.196	0.186	0.190	0.194
950	0.224	0.225	0.215	0.216	0.221
900	0.258	0.260	0.247	0.245	0.253
850	0.298	0.304	0.286	0.282	0.291
800	0.357	0.363	0.336	0.333	0.343
750	0.434	0.441	0.404	0.400	0.411
700	0.540	0.547	0.494	0.490	0.503
650	0.689	0.695	0.631	0.622	0.631
600	0.915	0.909	0.827	0.816	0.820
550	1.302	1.222	1.142	1.109	1.104
500	1.914	1.749	1.645	1.581	1.543
450	2.924	2.582	2.473	2.443	2.274
400	4.652	4.017	3.828	3.724	3.623
350	7.230	6.195	5.785	5.684	5.620
300			8.263		7.920
HEIGHT	SCALE HEIGHT, KM				
	365.8	349.6	349.5	385.1	369.8
950	365.8	349.6	349.5	385.1	369.8
900	337.2	327.7	342.6	360.6	352.7
850	300.5	300.4	320.3	329.9	327.9
800	276.2	277.6	293.1	300.0	299.6
750	251.9	245.6	259.3	266.9	263.8
700	226.2	218.4	227.4	223.6	230.1
650	199.1	202.3	203.1	202.1	209.9
600	165.7	181.6	176.8	180.1	186.6
550	136.9	157.9	148.8	156.8	161.7
500	125.8	135.5	130.3	128.4	143.3
450	112.4	120.9	122.4	117.8	118.8
400	106.8	116.1	113.5	117.3	109.8
350	122.7	125.0	126.7	125.4	122.9
300			175.6		190.6
LONG	-75.68	-75.21	-74.13	-73.52	-72.85
LAT	-41.12	-43.12	-47.16	-49.14	-51.12
QUAL	23	33	23	33	33

Table III.—Continued

PASS 528 AT SOLANT, 6211 6								
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)								
HEIGHT	TIME (UT)							
	230426	230504	230558	230741	230900	230936	231030	231107
1000	0.259	0.263	0.259	0.245	0.248	0.246	0.265	0.267
950	0.294	0.296	0.291	0.275	0.280	0.280	0.300	0.302
900	0.336	0.337	0.331	0.314	0.320	0.322	0.342	0.348
850	0.388	0.390	0.382	0.362	0.369	0.373	0.396	0.404
800	0.461	0.456	0.450	0.426	0.433	0.437	0.466	0.476
750	0.557	0.548	0.541	0.508	0.516	0.521	0.560	0.570
700	0.698	0.681	0.677	0.629	0.636	0.643	0.690	0.695
650	0.894	0.859	0.860	0.800	0.797	0.803	0.862	0.880
600	1.263	1.115	1.142	1.049	1.051	1.050	1.115	1.143
550	1.703	1.572	1.567	1.415	1.429	1.417	1.495	1.541
500	2.567	2.299	2.270	1.992	2.034	2.018	2.079	2.174
450	3.823	3.481	3.433	3.012	3.057	3.038	3.028	3.187
400	5.900	5.234	5.141		4.625	4.627	4.461	4.632
350	8.858	7.811	7.496		6.704	6.696	6.292	6.420
300								7.570
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	387.7	400.9	402.7	397.2	393.3	371.5	390.0	374.2
900	353.1	360.4	368.0	367.9	363.5	348.5	358.9	345.8
850	316.5	328.2	326.1	319.5	324.7	326.4	322.0	321.5
800	287.5	298.3	287.9	299.7	302.3	299.7	296.9	290.6
750	237.2	248.5	244.0	257.5	252.6	253.8	248.3	258.9
700	212.4	227.9	219.9	220.4	226.7	233.2	233.9	236.2
650	192.2	213.7	199.6	204.5	208.7	213.2	216.5	209.6
600	159.5	171.3	173.4	181.2	180.1	184.8	185.9	176.6
550	139.2	141.3	149.6	159.5	154.8	156.5	164.3	159.5
500	124.5	125.0	126.5	131.9	131.5	130.6	143.2	138.3
450	116.2	122.9	121.5	119.3	120.0	119.2	127.8	130.6
400	116.1	124.0	127.1		126.9	125.8	135.4	140.8
350	131.0	138.1	149.1		152.1	158.3	190.8	189.5
300								711.2
LONG	-75.89	-75.46	-74.72	-72.96	-71.27	-70.30	-68.65	-67.36
LAT	-40.12	-42.12	-45.12	-50.79	-55.11	-57.06	-59.96	-61.94
QUAL	31	21	22	23	23	23	22	21

Table III. —Continued

PASS 528 AT SULANT, 6211 6			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	231147	231223	231259
1000	0.271	0.253	0.246
950	0.307	0.288	0.282
900	0.352	0.332	0.325
850	0.408	0.390	0.381
800	0.480	0.461	0.453
750	0.579	0.557	0.546
700	0.713	0.687	0.673
650	0.902	0.874	0.844
600	1.171	1.137	1.103
550	1.579	1.554	1.489
500	2.258	2.226	2.100
450	3.310	3.322	3.109
400	4.896	4.988	4.716
350	6.777	7.097	6.915
300			
HEIGHT	SCALE HEIGHT, KM		
950	381.6	364.1	359.9
900	352.9	331.2	331.8
850	352.9	331.2	331.8
800	325.2	306.1	305.2
750	281.6	282.5	275.9
700	252.6	244.2	252.9
650	230.0	227.3	239.2
600	207.2	204.4	202.7
550	182.6	178.5	175.8
500	156.6	152.8	160.6
450	136.0	133.2	136.6
400	129.7	121.8	124.1
350	133.5	128.5	120.4
300	208.8	182.8	164.8
LONG	-65.68	-63.90	-61.96
LAT	-64.05	-65.92	-67.78
QUAL	21	31	32

Table III.—Continued

PASS 534 AT AGASTA, 6211 7					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	100813	100849	100925	101020	101056
1000	0.114	0.120	0.109	0.113	0.112
950	0.129	0.132	0.120	0.126	0.127
900	0.146	0.148	0.134	0.142	0.142
850	0.168	0.168	0.153	0.162	0.158
800	0.197	0.194	0.177	0.186	0.179
750	0.232	0.225	0.211	0.216	0.206
700	0.274	0.263	0.251	0.253	0.240
650	0.333	0.322	0.310	0.302	0.282
600	0.418	0.405	0.397	0.366	0.339
550	0.538	0.540	0.504	0.454	0.418
500	0.727	0.764	0.660	0.582	0.525
450	1.029	1.119	0.890	0.790	0.690
400	1.584	1.631	1.341	1.140	0.964
350	2.624	2.584	2.063	1.731	1.429
300	4.184	3.906	3.171	2.626	2.066
HEIGHT	SCALE HEIGHT, KM				
	402.5	471.3	474.3	432.2	431.7
950	402.5	471.3	474.3	432.2	431.7
900	369.9	415.5	411.1	393.3	434.7
850	344.9	378.9	362.2	375.4	414.1
800	323.3	344.0	318.4	357.6	385.7
750	299.0	315.6	293.0	333.2	349.8
700	272.3	287.2	267.5	298.4	317.8
650	244.9	247.2	238.0	272.3	289.0
600	216.9	202.8	207.3	250.1	261.6
550	189.8	166.6	192.3	222.8	235.4
500	164.3	140.7	176.0	189.0	207.7
450	132.5	132.6	150.6	157.3	176.2
400	105.9	122.8	120.1	130.5	141.3
350	102.4	109.2	115.3	120.4	131.7
300	134.5	155.1	129.9	134.5	143.5
LONG	-77.46	-77.12	-76.81	-76.37	-76.09
LAT	-34.54	-32.53	-30.52	-27.45	-25.43
QUAL	33	33	32	32	32

Table III. —Continued

PASS 541 AT RESLUT, 6211 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	211633	211651	211707	211728	211746	211840	211858	211916
1000	0.133	0.170	0.227	0.207	0.232	0.314	0.317	0.218
950	0.145	0.181	0.238	0.219	0.249	0.333	0.342	0.234
900	0.157	0.196	0.255	0.234	0.272	0.359	0.376	0.261
850	0.171	0.214	0.277	0.256	0.301	0.401	0.423	0.298
800	0.187	0.238	0.305	0.285	0.331	0.460	0.479	0.345
750	0.209	0.274	0.340	0.322	0.366	0.524	0.544	0.402
700	0.242	0.319	0.382	0.360	0.408	0.594	0.627	0.485
650	0.291	0.374	0.430	0.404	0.460	0.684	0.769	0.594
600	0.356	0.449	0.486	0.457	0.521	0.868	0.948	0.737
550	0.452	0.540	0.550	0.518	0.592	1.096	1.185	0.938
500	0.579	0.646	0.627	0.588	0.685	1.350	1.517	1.217
450	0.744	0.790	0.735	0.679	0.798	1.646	1.958	1.591
400	0.961	0.983	0.882	0.816	0.944	1.984	2.451	
350	1.269	1.247		1.030	1.159	2.306	2.939	
300	1.667			1.340	1.468			
HEIGHT	SCALE HEIGHT, KM							
	601.3	681.6	839.3	778.8	637.5	720.4	580.9	551.8
950	593.6	581.3	690.1	623.5	556.2	576.8	489.0	446.3
900	555.8	498.4	585.6	562.7	512.7	445.0	406.3	365.0
850	499.2	422.6	506.2	508.6	500.8	366.5	377.6	336.1
800	410.0	384.9	484.3	458.8	471.6	347.1	348.9	307.3
750	305.6	347.3	462.5	438.3	433.9	327.7	317.6	268.4
650	271.1	309.7	440.7	420.4	412.9	304.5	277.3	238.2
600	237.8	294.1	419.5	410.8	395.1	260.8	238.5	222.0
550	211.7	281.6	398.7	395.7	377.3	231.7	215.6	203.5
500	202.8	269.1	335.9	371.0	349.0	245.5	207.4	192.2
450	198.3	248.0	288.9	311.0	317.6	261.9	213.8	187.9
400	187.6	220.0	246.2	251.7	267.9	305.3	245.1	
350	185.5	204.5		204.8	232.2	547.0	345.3	
300	183.1			181.6	191.9			
LONG	-177.41	-172.80	-168.24	-161.51	-155.73	-138.11	-132.20	-127.22
LAT	79.07	79.56	79.89	80.13	80.34	80.19	80.05	79.63
QUAL	33	33	33	33	33	21	22	33

Table III.—Continued

PASS 541 AT RESLUT, 6211 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	211934	211952	212011	212029	212047	212105	212123	212141
1000	0.161	0.079	0.075	0.068	0.059	0.082	0.070	0.068
950	0.176	0.087	0.085	0.075	0.067	0.089	0.075	0.075
900	0.200	0.096	0.095	0.084	0.074	0.100	0.083	0.081
850	0.234	0.108	0.109	0.094	0.081	0.113	0.093	0.090
800	0.272	0.124	0.126	0.106	0.090	0.134	0.106	0.101
750	0.317	0.144	0.148	0.122	0.099	0.161	0.124	0.114
700	0.367	0.168	0.175	0.148	0.119	0.194	0.146	0.131
650	0.452	0.206	0.206	0.181	0.162	0.231	0.170	0.155
600	0.568	0.261	0.256	0.221	0.213	0.274	0.198	0.183
550	0.710	0.357	0.319	0.268	0.259	0.334	0.238	0.228
500	0.884	0.490	0.400	0.322	0.304	0.422	0.303	0.291
450	1.101	0.671	0.512	0.396	0.377	0.554	0.409	0.377
400	1.399	0.905	0.648	0.524	0.516	0.729	0.583	0.534
350	1.719	1.193	0.857	0.686	0.695	0.952	0.916	0.748
300			1.162	0.909	0.923	1.223	1.469	1.187
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	455.3	497.9	402.9	461.2	459.2	472.5	531.9	569.8
900	376.7	454.1	382.6	436.8	476.7	413.0	476.1	524.9
850	325.3	387.3	358.7	399.6	441.8	353.5	420.4	457.7
800	312.8	349.9	334.6	360.5	406.9	321.9	382.1	422.4
750	300.2	322.5	311.6	325.0	372.0	296.7	359.8	387.2
700	287.7	295.2	289.4	302.2	327.9	280.1	337.4	350.3
650	268.1	246.3	267.2	279.3	271.4	276.1	317.4	308.8
600	246.3	189.6	249.5	259.8	226.3	272.2	298.5	267.4
550	229.1	159.9	232.0	248.7	227.7	236.0	243.9	234.5
500	225.2	160.5	217.6	237.6	229.1	202.4	190.1	205.4
450	226.0	166.4	209.1	225.1	221.2	193.9	154.9	177.9
400	236.5	174.6	200.7	208.9	200.5	190.3	133.9	157.4
350	275.5	184.1	176.6	192.8	179.8	193.8	104.4	135.0
300			157.0	178.4	171.5	199.7	129.2	115.3
LONG	-122.35	-117.49	-113.17	-109.64	-106.10	-102.86	-100.38	-97.90
LAT	79.19	78.74	78.14	77.49	76.84	76.15	75.37	74.59
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 541 AT RESLUT, 6211 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	212159	212217	212236	212254	212312	212330	212348	212407
1000	0.097	0.086	0.136	0.179	0.140	0.221	0.361	0.257
950	0.107	0.093	0.149	0.195	0.155	0.245	0.389	0.285
900	0.121	0.104	0.167	0.214	0.176	0.278	0.424	0.320
850	0.140	0.120	0.188	0.241	0.204	0.329	0.475	0.362
800	0.162	0.140	0.206	0.278	0.237	0.396	0.550	0.413
750	0.189	0.166	0.223	0.330	0.283	0.481	0.653	0.474
700	0.226	0.198	0.240	0.394	0.349	0.583	0.786	0.555
650	0.280	0.246	0.265	0.480	0.437	0.729	0.970	0.686
600	0.344	0.310	0.296	0.584	0.560	0.969	1.231	0.853
550	0.430	0.410	0.364	0.707	0.712	1.296	1.594	1.064
500	0.547	0.581	0.453	0.878	0.940	1.759	2.077	1.353
450	0.738	0.817	0.562	1.097	1.281	2.493	2.732	1.734
400	1.105	1.143	0.719	1.358	1.790	3.509	3.639	2.244
350	1.572	1.549	0.918	1.665		4.786	4.716	
300								
HEIGHT	SCALE HEIGHT, KM							
	452.8	506.9		544.9	429.7	419.6	608.3	450.9
950								
900	385.5	398.3		469.3	374.3	349.0	504.0	416.6
850	340.2	362.7		386.2	332.6	307.8	391.3	392.0
800	319.5	327.1	585.7	338.6	297.1	269.3	336.6	361.9
750	298.9	292.8	616.2	305.6	267.3	253.2	302.4	326.4
700	279.7	258.9	566.2	274.8	240.9	237.1	267.6	292.6
650	261.9	229.6	468.4	268.1	220.4	214.5	230.3	262.0
600	244.2	201.7	370.6	261.5	210.8	181.3	208.3	234.1
550	218.0	178.2	239.4	254.8	201.3	169.5	194.2	216.0
500	186.9	161.6	224.4	237.9	173.8	154.3	186.2	208.7
450	151.7	150.5	220.3	230.9	158.1	144.7	177.8	199.0
400	130.1	158.6	213.8	241.3	138.6	153.3	181.5	190.2
350	168.6	181.8	219.5	249.8		172.4	209.8	
300								
LONG	-95.42	-93.61	-91.75	-89.99	-88.54	-87.24	-85.94	-84.70
LAT	73.81	72.97	72.07	71.21	70.33	69.43	68.54	67.58
QUAL	33	33	33	33	33	33	33	33

Table III. —Continued

PASS 541 AT RESLUT, 6211 7				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	212425	212443	212501	212531
1000	0.287	0.342	0.271	0.232
950	0.317	0.376	0.297	0.256
900	0.358	0.413	0.330	0.290
850	0.407	0.459	0.368	0.333
800	0.461	0.526	0.412	0.379
750	0.522	0.611	0.481	0.435
700	0.596	0.723	0.576	0.520
650	0.703	0.859	0.698	0.628
600	0.843	1.047	0.856	0.763
550	1.014	1.307	1.069	0.939
500	1.251	1.652	1.349	1.179
450	1.598	2.109	1.706	1.504
400	2.275	2.722	2.186	1.934
350	3.247		2.787	2.523
300	4.366			3.256
HEIGHT	SCALE HEIGHT, KM			
	212425	212443	212501	212531
950	450.9	528.6	508.1	445.7
900	412.5	481.0	466.7	394.2
850	390.7	412.2	431.2	383.5
800	382.0	371.2	381.0	349.9
750	373.7	330.2	307.2	320.4
700	343.0	305.1	273.0	301.9
650	283.0	279.8	259.9	283.5
600	272.2	235.1	241.4	263.0
550	260.2	225.6	220.2	235.4
500	227.8	211.9	218.8	217.5
450	176.8	201.5	206.0	204.4
400	138.0	191.5	206.1	194.3
350	156.9		211.2	193.2
300	182.6			203.7
LONG	-84.27	-82.75	-81.79	-80.52
LAT	67.17	65.73	64.80	63.21
QUAL	33	33	33	33

Table III.—Continued

PASS 541 AT OTTAWA, 6211 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	213239	213316	213352	213428	213504	213540	213729	213805
1000	0.160	0.159	0.158	0.160	0.172	0.167	0.206	0.200
950	0.180	0.179	0.179	0.182	0.190	0.188	0.223	0.217
900	0.205	0.203	0.203	0.205	0.211	0.211	0.245	0.238
850	0.236	0.233	0.234	0.235	0.240	0.240	0.275	0.265
800	0.275	0.270	0.272	0.271	0.276	0.275	0.310	0.298
750	0.322	0.318	0.319	0.319	0.321	0.323	0.354	0.338
700	0.387	0.377	0.375	0.377	0.376	0.382	0.417	0.393
650	0.478	0.463	0.460	0.457	0.460	0.467	0.503	0.473
600	0.613	0.580	0.578	0.567	0.573	0.581	0.621	0.608
550	0.798	0.764	0.746	0.740	0.738	0.756	0.809	0.806
500	1.066	1.020	0.989	0.982	0.986	1.018	1.093	1.103
450	1.469	1.398	1.343	1.338	1.343	1.396	1.517	1.561
400	2.057	1.965	1.876	1.862	1.873	1.974	2.182	2.303
350	2.938	2.831	2.659	2.690	2.727	2.878	3.307	3.692
300	4.239	4.114		3.886	4.014	4.255	5.313	6.491
HEIGHT	SCALE HEIGHT, KM							
950	396.2	396.2	401.5	406.2	478.8	422.4	567.8	548.0
900	368.5	377.0	370.7	381.7	418.1	393.7	484.5	495.1
850	340.2	347.9	342.7	354.6	381.5	368.2	422.5	454.5
800	318.6	320.9	318.7	327.2	346.5	342.6	387.2	411.4
750	298.6	297.7	301.4	305.2	316.1	309.5	346.8	364.7
700	257.2	273.2	284.2	283.1	285.6	275.4	296.9	305.3
650	220.0	237.7	239.3	251.8	254.3	245.3	255.5	225.8
600	204.3	207.2	209.4	212.2	222.7	216.7	220.5	200.5
550	186.1	188.6	193.8	192.1	195.3	190.9	182.9	176.0
500	165.7	170.6	176.0	176.3	172.0	167.1	158.2	152.0
450	154.9	154.5	158.7	162.1	159.4	155.3	146.8	137.8
400	145.6	143.0	146.9	141.2	141.1	138.4	130.1	118.2
350	132.1	131.6	139.5	135.3	130.7	127.6	111.8	98.0
300	149.2	150.6		143.3	143.1	142.4	101.1	89.1
LONG	-70.88	-70.46	-70.12	-69.78	-69.45	-69.14	-68.30	-68.05
LAT	39.86	37.80	35.80	33.78	31.77	29.75	23.62	21.59
QUAL	23	33	33	33	33	33	33	33

Table III. —Continued

PASS 541 AT OTTAWA, 6211 7		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	213842	213918
1000	0.213	0.209
950	0.230	0.225
900	0.252	0.245
850	0.280	0.274
800	0.315	0.311
750	0.356	0.355
700	0.414	0.408
650	0.501	0.506
600	0.633	0.644
550	0.852	0.867
500	1.178	1.224
450	1.696	1.755
400	2.575	2.679
350	4.214	4.452
300	7.172	7.945
HEIGHT	SCALE HEIGHT, KM	
950	589.7	653.2
900	508.1	524.0
850	443.1	447.3
800	408.6	387.7
750	374.1	346.1
700	308.0	303.6
650	240.4	247.1
600	195.5	194.8
550	162.3	153.3
500	147.2	142.7
450	131.1	129.3
400	113.4	113.6
350	95.6	88.3
300	95.8	97.9
LONG	-67.81	-67.58
LAT	19.50	17.47
QUAL	33	33

Table III.—Continued

PASS 541 AT QUITOE, 6211 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	214026	214237	214408	214445	214706	214821	214857	214934
1000	0.212	0.234	0.261	0.252	0.268	0.280	0.270	0.271
950	0.230	0.257	0.285	0.279	0.298	0.311	0.303	0.301
900	0.250	0.284	0.317	0.313	0.339	0.355	0.346	0.343
850	0.279	0.321	0.363	0.359	0.396	0.420	0.412	0.404
800	0.318	0.370	0.423	0.419	0.475	0.518	0.507	0.495
750	0.369	0.439	0.502	0.506	0.606	0.677	0.665	0.648
700	0.440	0.542	0.625	0.634	0.829	0.967	0.955	0.916
650	0.546	0.690	0.804	0.832	1.245	1.535	1.518	1.395
600	0.714	0.930	1.096	1.143	2.082	2.602	2.530	2.341
550	0.966	1.316	1.611	1.679	3.599	4.549	4.357	4.039
500	1.357	1.931	2.518	2.728	6.342	7.874	7.513	7.069
450	2.009	2.947	4.142	4.799	10.630		13.917	12.049
400	3.166	4.696	6.764	8.257				
350	5.439	7.520	10.683					
300	9.277							
HEIGHT	SCALE HEIGHT, KM							
	214026	214237	214408	214445	214706	214821	214857	214934
950	604.6	511.3	496.2	457.8	420.1	431.3	402.9	422.0
900	516.7	451.0	427.8	398.4	362.0	337.0	319.1	342.0
850	419.2	383.8	354.3	342.0	291.6	273.8	277.0	276.1
800	362.7	316.9	309.3	288.1	242.6	217.4	225.1	225.2
750	311.4	265.3	260.1	249.0	182.2	165.0	162.3	164.0
700	262.5	226.7	211.0	212.8	148.1	128.6	130.3	138.2
650	213.1	192.4	188.0	181.1	112.5	102.9	104.2	109.8
600	182.8	162.6	150.9	146.8	92.0	89.3	93.0	92.2
550	159.5	141.7	122.5	118.9	91.5	94.5	98.2	91.9
500	139.0	123.4	106.3	95.6	88.8	90.1	88.2	97.1
450	119.4	114.9	99.7	90.0	104.1		82.1	80.9
400	101.3	102.0	106.8	97.5				
350	87.9	115.0	120.5					
300	106.0							
LONG	-67.17	-66.44	-65.96	-65.76	-65.01	-64.58	-64.37	-64.14
LAT	13.63	6.22	1.07	-1.02	-9.00	-13.24	-15.28	-17.37
QUAL	32	33	33	33	33	33	33	33

Table III.—Continued

PASS 541 AT QUITOE, 6211 7		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	215010	215046
1000	0.265	0.261
950	0.296	0.289
900	0.336	0.324
850	0.393	0.376
800	0.490	0.452
750	0.649	0.570
700	0.868	0.768
650	1.293	1.093
600	2.172	1.680
550	3.809	2.852
500	6.459	4.912
450	10.951	8.270
400		
350		
300		
HEIGHT	SCALE HEIGHT, KM	
950	404.7	452.8
900	363.7	381.8
850	277.0	313.9
800	202.6	252.8
750	174.4	186.4
700	154.4	156.4
650	105.8	132.2
600	91.5	108.2
550	91.1	89.3
500	98.5	93.9
450	82.6	95.6
400		
350		
300		
LONG	-63.91	-63.68
LAT	-19.40	-21.44
QUAL	33	33

Table III.—Continued

PASS 541 AT AGASTA, 6211 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	214933	215045	215310	215347	215535	215612	215644	215724
1000	0.255	0.252	0.240	0.254	0.209	0.233	0.221	0.198
950	0.308	0.294	0.264	0.277	0.229	0.253	0.242	0.213
900	0.349	0.345	0.296	0.305	0.256	0.282	0.271	0.239
850	0.418	0.404	0.340	0.346	0.289	0.320	0.306	0.275
800	0.512	0.504	0.404	0.404	0.329	0.367	0.346	0.316
750	0.635	0.641	0.487	0.479	0.376	0.422	0.405	0.364
700	0.919	0.831	0.598	0.578	0.450	0.486	0.491	0.427
650	1.453	1.210	0.741	0.702	0.576	0.610	0.600	0.543
600	2.491	1.926	1.057	0.977	0.739	0.784	0.771	0.693
550	4.183	3.468	1.542	1.378	0.971	1.033	0.997	0.906
500	7.202	5.842	2.401	2.025	1.285	1.403	1.296	1.182
450	12.166	9.574	3.461	3.199	1.830	1.972	1.792	1.559
400			6.504	5.234	2.806	2.911	2.594	2.206
350			10.016		4.658	4.448	3.798	3.187
300					7.369	6.484	5.187	4.467
HEIGHT	SCALE HEIGHT, KM							
	324.0	309.9	472.8	517.2	505.1	501.7	505.5	535.3
950	324.0	309.9	472.8	517.2	505.1	501.7	505.5	535.3
900	313.2	292.9	404.2	445.1	442.0	456.6	451.0	455.9
850	257.2	275.9	347.2	386.2	404.4	411.4	416.4	376.8
800	227.7	230.3	301.2	338.3	360.0	369.5	344.3	344.4
750	196.2	194.9	259.7	291.3	315.0	331.3	302.8	311.9
700	125.0	166.0	228.9	251.4	275.3	293.1	271.2	278.8
650	101.8	127.6	196.3	211.2	241.7	236.1	239.7	242.8
600	94.2	97.7	142.3	166.9	208.0	192.9	219.1	206.9
550	93.5	87.1	126.8	141.1	184.1	177.5	201.2	191.9
500	92.7	98.5	100.5	119.9	161.7	159.6	179.0	183.0
450	99.1	107.7	104.1	103.4	133.6	139.3	146.1	168.9
400			101.4	106.6	108.0	122.0	134.2	142.5
350			135.0		102.1	122.2	136.4	138.0
300					129.5	164.3	223.8	203.4
LONG	-64.15	-63.69	-62.60	-62.29	-61.23	-60.81	-60.42	-59.88
LAT	-17.31	-21.38	-29.55	-31.63	-37.67	-39.74	-41.52	-43.74
QUAL	23	23	23	23	23	22	23	22

Table III.—Continued

PASS 541 AT SULANT, 6211 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	215310	215423	215459	215612	215648	215839	215915	215951
1000	0.251	0.251	0.263	0.266	0.265	0.234	0.220	0.217
950	0.277	0.272	0.284	0.294	0.288	0.255	0.243	0.241
900	0.306	0.301	0.314	0.329	0.316	0.283	0.269	0.262
850	0.344	0.336	0.351	0.372	0.351	0.322	0.302	0.284
800	0.395	0.383	0.395	0.424	0.396	0.368	0.343	0.315
750	0.488	0.453	0.461	0.489	0.456	0.421	0.407	0.397
700	0.621	0.552	0.557	0.592	0.533	0.503	0.489	0.483
650	0.804	0.685	0.698	0.738	0.649	0.622	0.602	0.566
600	1.124	0.905	0.912	0.937	0.841	0.796	0.747	0.696
550	1.711	1.247	1.241	1.251	1.115	1.043	0.974	0.965
500	2.769	1.832	1.772	1.770	1.496	1.390	1.303	1.305
450	4.627	2.990	2.722	2.581	2.046	1.886	1.763	1.748
400	7.731	4.946	4.257	3.877	2.895	2.622	2.432	2.422
350		8.286	6.843	5.874		3.644	3.440	3.438
300						4.914		4.881
HEIGHT	SCALE HEIGHT, KM							
	504.3	547.7	571.0	456.5	558.5	518.5	481.0	571.9
950	504.3	547.7	571.0	456.5	558.5	518.5	481.0	571.9
900	451.0	480.1	487.8	427.0	499.0	440.9	447.4	550.0
850	378.9	410.8	424.5	400.6	445.3	387.0	396.2	478.3
800	307.0	346.4	374.2	356.3	378.5	356.6	345.1	399.7
750	250.3	290.0	311.6	310.3	337.1	328.1	305.9	280.9
700	204.8	246.2	247.9	256.8	300.7	267.1	266.7	250.0
650	176.8	209.0	203.2	221.2	218.0	225.6	239.4	241.8
600	133.3	173.7	179.1	197.9	192.0	202.4	215.1	222.2
550	114.0	147.8	155.2	157.0	174.4	184.3	191.0	183.7
500	99.0	114.0	130.6	143.4	170.3	171.3	171.4	170.2
450	97.4	101.2	113.3	127.2	151.9	158.6	162.2	160.4
400	108.0	96.1	104.8	123.5	136.4	152.3	151.3	152.9
350		105.8	106.2	142.1		157.1	144.7	140.6
300						192.7		190.5
LONG	-62.60	-61.96	-61.61	-60.81	-60.37	-58.74	-58.11	-57.42
LAT	-29.35	-33.65	-35.66	-39.74	-41.74	-47.89	-49.87	-51.85
QUAL	23	23	23	22	23	33	33	32

Table III.—Continued

PASS 541 AT SOLANT, 6211 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	220027	220140	220216	220252	220329	220404	220441	220517
1000	0.220	0.216	0.216	0.204	0.202	0.220	0.247	0.230
950	0.241	0.241	0.240	0.226	0.226	0.249	0.276	0.259
900	0.268	0.272	0.269	0.255	0.255	0.281	0.310	0.292
850	0.304	0.310	0.306	0.289	0.291	0.319	0.351	0.334
800	0.349	0.357	0.352	0.336	0.338	0.367	0.402	0.385
750	0.405	0.417	0.410	0.394	0.396	0.426	0.466	0.449
700	0.489	0.494	0.478	0.466	0.466	0.503	0.549	0.533
650	0.619	0.603	0.577	0.564	0.566	0.613	0.666	0.652
600	0.784	0.755	0.727	0.707	0.703	0.749	0.813	0.800
550	0.995	0.955	0.925	0.894	0.887	0.950	1.029	1.021
500	1.293	1.273	1.201	1.152	1.149	1.222	1.321	1.319
450	1.721	1.722	1.623	1.521	1.530	1.614	1.733	1.757
400	2.303	2.337	2.175	2.041	2.040	2.136	2.292	2.347
350	3.172	3.156	2.898	2.757	2.722	2.819	3.055	3.125
300				3.535	3.466			3.841
HEIGHT	SCALE HEIGHT, KM							
	498.5	418.1	453.1	435.8	418.6	405.6	443.3	416.6
950	498.5	418.1	453.1	435.8	418.6	405.6	443.3	416.6
900	439.2	390.8	408.3	396.8	387.4	390.9	410.2	389.3
850	382.2	365.5	377.6	364.6	359.6	369.8	382.2	365.7
800	337.1	340.7	350.1	338.0	336.4	343.6	353.0	343.1
750	298.4	309.2	319.6	310.6	309.2	311.9	317.1	304.1
700	261.7	272.6	288.2	275.8	276.9	283.8	286.3	271.9
650	226.7	245.9	258.7	248.7	253.2	261.6	264.0	252.5
600	211.6	225.1	231.2	230.2	233.0	239.4	241.8	233.0
550	200.7	202.6	204.2	210.6	210.6	213.5	216.2	209.5
500	183.6	172.0	178.8	189.1	185.7	192.0	194.9	188.6
450	176.7	167.6	175.0	178.4	177.8	182.0	182.9	175.4
400	164.6	166.1	174.0	168.6	173.2	180.2	177.5	174.4
350	153.6	182.1	189.7	175.8	182.2	185.9	179.4	194.0
300				338.9	362.0			628.3
LONG	-56.63	-54.76	-53.65	-52.41	-50.88	-49.32	-47.24	-44.90
LAT	-53.81	-57.78	-59.71	-61.63	-63.59	-65.43	-67.33	-69.15
QUAL	33	33	22	22	22	23	23	32

Table III.—Continued

PASS 541 AT SOLANT, 6211 7				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	220554	220630	220706	220742
1000	0.263	0.279	0.278	0.332
950	0.293	0.314	0.314	0.363
900	0.329	0.355	0.354	0.402
850	0.374	0.403	0.402	0.453
800	0.433	0.462	0.461	0.519
750	0.506	0.539	0.533	0.601
700	0.595	0.635	0.624	0.701
650	0.728	0.771	0.750	0.832
600	0.900	0.942	0.920	1.003
550	1.140	1.166	1.153	1.227
500	1.455	1.453	1.461	1.517
450	1.894	1.825	1.862	1.894
400	2.480	2.306	2.358	2.392
350	3.277		2.972	3.006
300			3.584	
HEIGHT	SCALE HEIGHT, KM			
	220554	220630	220706	220742
950	439.8	407.9	411.6	525.9
900	407.5	396.6	398.6	450.0
850	374.6	372.1	379.6	394.2
800	340.2	341.2	354.1	361.0
750	306.4	313.4	326.1	333.1
700	274.3	286.5	296.9	308.6
650	253.0	265.8	267.2	286.0
600	231.7	246.4	237.2	264.6
550	215.9	234.7	220.5	248.2
500	200.1	225.5	212.4	235.1
450	188.5	218.5	211.1	220.5
400	183.2	206.9	215.3	218.4
350	185.1		238.1	262.9
300			304.0	
LONG	-42.14	-38.61	-34.79	-30.27
LAT	-70.99	-72.70	-74.33	-75.67
QUAL	33	33	33	33

Table III. —Continued

PASS 562 AT RESLUT, 6211 9			
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)			
HEIGHT	TIME (UT)		
	100740	100909	100946
1000	0.011	0.067	0.089
950	0.014	0.078	0.107
900	0.018	0.090	0.126
850	0.023	0.107	0.147
800	0.028	0.129	0.170
750	0.036	0.154	0.199
700	0.048	0.183	0.235
650	0.063	0.216	0.280
600	0.088	0.258	0.340
550	0.125	0.311	0.420
500	0.181	0.385	0.536
450	0.265	0.498	0.693
400	0.386	0.668	0.923
350		0.936	1.285
300			1.880
HEIGHT	SCALE HEIGHT, KM		
	100740	100909	100946
950	196.7	324.1	301.0
900	202.4	305.4	317.9
850	223.7	295.0	327.1
800	223.3	286.9	326.0
750	195.1	289.4	310.4
700	179.1	296.3	288.1
650	171.8	291.8	273.0
600	144.8	276.5	247.3
550	138.2	249.9	219.7
500	130.8	210.4	205.5
450	133.5	185.5	188.2
400	132.2	159.4	164.3
350		145.3	144.4
300			131.2
LONG	-52.37	-46.57	-43.24
LAT	66.09	72.08	80.03
QUAL	33	33	31

Table III.—Continued

PASS 569 AT RESLUT, 6211 9			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	223739	223909	224004
1000	0.230	0.400	0.392
950	0.250	0.439	0.418
900	0.282	0.481	0.449
850	0.329	0.531	0.503
800	0.377	0.590	0.573
750	0.442	0.665	0.647
700	0.538	0.766	0.737
650	0.667	0.912	0.858
600	0.846	1.102	1.017
550	1.090	1.336	1.228
500	1.425	1.678	1.512
450	1.883	2.153	1.900
400	2.520	2.825	2.444
350		3.753	
300			
HEIGHT	SCALE HEIGHT, KM		
	498.6	550.6	728.5
950	498.6	550.6	728.5
900	406.3	524.0	553.9
850	362.0	493.5	462.1
800	331.9	440.2	403.6
750	279.9	378.4	391.9
700	251.9	328.4	357.4
650	226.9	287.1	309.0
600	209.8	262.2	278.5
550	195.5	243.8	257.6
500	184.3	213.0	234.0
450	176.3	194.6	211.5
400	168.4	179.2	193.7
350		179.7	
300			
LONG	-116.34	-106.46	-103.69
LAT	71.21	66.71	63.84
QUAL	33	33	33

Table III. —Continued

PASS 569 AT FTMYS, 6211 9								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	224900	224954	225030	225106	225142	225218	225412	225543
1000	0.119	0.123	0.117	0.115	0.121	0.130	0.139	0.181
950	0.136	0.137	0.131	0.127	0.131	0.137	0.146	0.198
900	0.152	0.154	0.147	0.140	0.145	0.146	0.158	0.214
850	0.172	0.174	0.165	0.155	0.160	0.158	0.173	0.235
800	0.198	0.198	0.185	0.173	0.179	0.176	0.192	0.262
750	0.229	0.226	0.211	0.197	0.202	0.198	0.216	0.296
700	0.270	0.264	0.244	0.226	0.231	0.227	0.247	0.346
650	0.321	0.312	0.286	0.265	0.271	0.264	0.290	0.414
600	0.396	0.382	0.347	0.318	0.328	0.316	0.355	0.517
550	0.499	0.480	0.427	0.398	0.411	0.393	0.446	0.686
500	0.652	0.626	0.558	0.516	0.531	0.511	0.589	0.941
450	0.880	0.827	0.753	0.684	0.704	0.683	0.800	1.327
400	1.205	1.105	1.024	0.918	0.938	0.932	1.094	2.037
350	1.710	1.544	1.477	1.281	1.362	1.354	1.640	3.483
300	2.579	2.314	2.379	1.931	2.103	2.140	2.726	7.084
HEIGHT	SCALE HEIGHT, KM							
	403.3	431.0	435.1	523.8	583.9	896.6	958.4	651.6
950	403.3	431.0	435.1	523.8	583.9	896.6	958.4	651.6
900	406.8	414.5	442.8	510.1	504.1	689.9	618.3	574.3
850	379.4	394.7	423.7	463.0	481.3	571.3	516.7	503.3
800	352.4	373.0	398.3	418.0	439.5	436.7	451.2	432.9
750	324.7	350.6	370.9	386.9	381.5	394.7	395.2	364.1
700	295.6	313.7	330.4	326.1	341.5	359.0	342.9	312.9
650	266.2	275.0	281.7	292.7	288.5	300.6	270.6	260.5
600	236.1	242.1	252.5	254.1	241.7	245.6	241.6	202.8
550	206.9	210.0	222.2	206.8	213.0	214.6	209.6	174.3
500	179.0	185.8	181.8	188.7	190.0	188.8	171.0	155.9
450	167.8	179.5	170.7	167.8	174.3	166.6	156.9	132.0
400	153.1	160.0	151.0	160.5	154.9	147.4	143.3	107.5
350	133.0	139.4	122.6	139.2	127.2	125.7	117.8	80.6
300	124.5	109.9	89.3	114.3	99.2	101.1	86.1	68.8
LONG	-92.62	-92.12	-91.82	-91.52	-91.25	-91.00	-90.25	-89.71
LAT	34.50	31.48	29.45	27.43	25.41	23.39	16.95	11.80
QUAL	33	33	23	23	23	33	23	33

Table III.—Continued

PASS 569 AT FTMYS, 6211 9			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	225732	225808	225902
1000	0.210	0.221	0.237
950	0.228	0.241	0.260
900	0.249	0.262	0.286
850	0.273	0.288	0.320
800	0.302	0.329	0.363
750	0.356	0.386	0.421
700	0.430	0.470	0.531
650	0.529	0.587	0.716
600	0.708	0.807	1.015
550	1.002	1.166	1.663
500	1.479	1.826	3.108
450	2.364	3.273	6.019
400	4.134	5.957	10.065
350	7.652		
300	12.896		
HEIGHT	SCALE HEIGHT, KM		
950	656.5	606.8	568.6
900	554.5	525.8	489.5
850	478.6	453.8	405.0
800	403.8	380.4	356.4
750	333.0	306.5	298.2
700	264.2	245.7	191.4
650	210.5	193.9	153.2
600	171.4	158.9	130.6
550	141.2	127.8	92.2
500	118.0	99.5	69.5
450	98.3	81.4	85.4
400	84.4	79.9	106.8
350	80.9		
300	141.3		
LONG	-89.11	-88.92	-88.63
LAT	5.64	3.60	0.73
QUAL	33	23	23

Table III.—Continued

PASS 569 AT QUITUE, 6211 9								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	225714	225750	225826	225902	225957	230033	230109	230145
1000	0.177	0.196	0.200	0.218	0.214	0.212	0.270	0.254
950	0.191	0.211	0.216	0.236	0.234	0.244	0.293	0.284
900	0.210	0.231	0.239	0.260	0.264	0.278	0.340	0.336
850	0.233	0.256	0.267	0.289	0.302	0.323	0.400	0.414
800	0.261	0.286	0.300	0.325	0.350	0.378	0.484	0.518
750	0.295	0.344	0.351	0.370	0.433	0.490	0.658	0.648
700	0.364	0.426	0.446	0.510	0.567	0.681	0.954	1.027
650	0.454	0.550	0.570	0.705	0.827	1.016	1.432	1.631
600	0.603	0.724	0.770	0.972	2.451	1.726	2.471	2.544
550	0.820	1.055	1.132	1.598		3.157	3.908	3.991
500	1.268	1.639	1.995	2.936		5.108	5.821	5.965
450	1.958	2.718	3.784	5.590		7.685	8.535	
400	3.492	4.931	7.021	9.479		11.182	12.302	
350	6.485	8.602		13.862				
300	11.385							
HEIGHT	SCALE HEIGHT, KM							
	569.9	603.5	556.4	562.1	484.2	365.6	495.2	370.9
950	569.9	603.5	556.4	562.1	484.2	365.6	495.2	370.9
900	499.9	511.1	468.7	471.8	395.7	348.0	353.6	305.6
850	441.6	435.4	414.2	418.5	347.5	304.9	283.9	245.0
800	389.2	360.7	359.7	365.3	294.9	261.7	223.5	210.6
750	336.1	299.6	305.4	309.7	215.7	197.5	152.3	176.2
700	278.1	239.6	251.5	206.5	164.2	141.7	131.6	128.2
650	220.1	199.1	197.5	150.1	120.7	118.6	113.2	111.0
600	184.1	170.5	158.8	138.3	96.3	85.8	101.3	111.6
550	147.9	120.8	108.6	87.4		91.5	118.7	119.0
500	115.6	109.5	85.4	80.0		116.7	128.4	132.4
450	103.7	90.4	77.1	84.2		122.8	134.7	
400	81.4	86.9	87.3	111.8		146.5	139.1	
350	82.5	96.9		147.2				
300	105.7							
LONG	-89.21	-89.01	-88.82	-88.63	-88.34	-88.14	-87.95	-87.76
LAT	6.66	4.62	2.58	0.55	-2.56	-4.60	-6.64	-8.68
QUAL	23	23	23	23	23	23	23	23

Table III.—Continued

PASS 569 AT QUITOE, 6211 9					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	230221	230429	230505	230635	230712
1000	0.251	0.275	0.275	0.266	0.265
950	0.284	0.307	0.304	0.291	0.290
900	0.335	0.361	0.353	0.326	0.324
850	0.404	0.442	0.423	0.374	0.368
800	0.502	0.554	0.516	0.434	0.425
750	0.628	0.700	0.652	0.506	0.493
700	1.040	0.954	0.866	0.590	0.573
650	1.673	1.569	1.373	0.853	0.768
600	2.546	2.584	2.136	1.270	1.085
550	3.951	4.254	3.678	1.872	1.547
500	6.002	6.617		3.251	2.502
450	9.039	9.726		5.815	4.249
400	13.815	14.248		9.788	7.195
350				15.017	
300					
HEIGHT	SCALE HEIGHT, KM				
	230221	230429	230505	230635	230712
950	358.6	368.6	397.3	486.8	489.0
900	289.2	303.2	338.1	400.8	422.8
850	241.8	251.9	278.8	349.7	368.3
800	208.4	217.1	242.7	316.9	335.1
750	174.9	188.7	207.7	284.1	301.9
700	124.1	148.6	162.8	251.3	268.7
650	111.5	101.4	112.7	174.0	198.8
600	116.4	100.6	104.1	123.2	139.4
550	119.6	106.8	96.4	112.7	125.9
500	117.0	119.7		89.1	101.2
450	128.0	136.1		88.2	93.3
400	115.7	136.8		107.6	107.5
350				114.0	
300					
LONG	-87.56	-86.80	-86.58	-85.94	-85.67
LAT	-10.72	-17.95	-19.98	-25.06	-27.15
QUAL	23	23	23	23	23

Table III.—Continued

PASS 569 AT AGASTA, 6211 9								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	230504	230559	230625	230711	230824	230902	230936	231012
1000	0.229	0.226	0.236	0.235	0.244	0.258	0.217	0.217
950	0.256	0.253	0.261	0.256	0.265	0.277	0.245	0.246
900	0.294	0.286	0.294	0.284	0.295	0.304	0.279	0.281
850	0.345	0.331	0.336	0.323	0.338	0.348	0.321	0.322
800	0.423	0.402	0.399	0.376	0.401	0.403	0.375	0.375
750	0.555	0.509	0.497	0.452	0.503	0.480	0.449	0.447
700	0.791	0.674	0.661	0.569	0.641	0.605	0.554	0.547
650	1.174	0.990	0.916	0.769	0.871	0.791	0.714	0.700
600	2.109	1.571	1.363	1.067	1.175	1.067	0.961	0.943
550	3.958	2.915	2.259	1.680	1.756	1.482	1.339	1.309
500		5.590	4.236	2.904	2.755	2.236	1.958	1.875
450		10.602	8.148	5.297	4.500	3.631	3.100	2.888
400				9.528	7.667	5.947	5.130	4.520
350								6.551
300								
HEIGHT	SCALE HEIGHT, KM							
	414.0	424.7	453.9	525.7	519.4	574.5	401.7	389.8
950	414.0	424.7	453.9	525.7	519.4	574.5	401.7	389.8
900	346.6	390.7	432.8	440.4	414.1	468.2	372.5	369.6
850	277.1	287.0	325.3	357.2	328.8	342.2	332.0	344.3
800	218.0	231.7	254.2	300.0	248.4	312.2	303.0	309.7
750	166.3	193.6	208.0	240.2	220.9	245.0	261.1	266.4
700	132.8	165.2	178.1	192.3	193.4	213.5	209.1	222.6
650	112.6	131.2	148.8	166.7	172.0	190.4	186.3	188.2
600	82.9	98.9	121.2	139.6	150.7	167.1	165.4	169.7
550	83.1	76.5	87.8	103.5	122.4	143.8	146.5	150.3
500		77.8	76.2	88.7	106.9	116.7	122.2	130.5
450		84.7	82.3	82.1	100.3	100.6	104.1	114.5
400				93.8	105.1	106.1	110.2	117.7
350								208.0
300								
LONG	-86.58	-86.21	-86.02	-85.67	-85.08	-84.74	-84.41	-84.04
LAT	-19.93	-23.03	-24.50	-27.09	-31.20	-33.33	-35.24	-37.25
QUAL	23	23	23	23	23	23	23	23

Table III.—Continued

PASS 569 AT AGASTA, 6211 9						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	231048	231125	231201	231237	231311	231349
1000	0.217	0.212	0.225	0.219	0.218	0.212
950	0.245	0.243	0.261	0.243	0.250	0.246
900	0.260	0.276	0.300	0.283	0.288	0.285
850	0.321	0.317	0.346	0.328	0.336	0.332
800	0.374	0.371	0.404	0.387	0.397	0.392
750	0.448	0.440	0.479	0.464	0.476	0.478
700	0.563	0.545	0.585	0.567	0.587	0.600
650	0.721	0.700	0.746	0.731	0.740	0.762
600	0.951	0.921	0.980	0.965	0.981	1.026
550	1.328	1.243	1.351	1.311	1.335	1.411
500	1.925	1.773	1.906	1.835	1.928	2.036
450	2.884	2.656	2.775	2.680	2.790	2.996
400	4.325	4.038	4.076	3.875	4.030	4.294
350	6.087	5.677	5.524	5.222	5.316	
300						
HEIGHT	SCALE HEIGHT, KM					
	231048	231125	231201	231237	231311	231349
950	393.6	380.6	354.5	409.1	359.1	338.4
900	369.1	370.0	351.5	345.7	338.6	331.4
850	346.6	345.4	338.7	317.1	310.5	313.3
800	296.1	299.6	306.1	291.3	285.8	274.5
750	235.1	264.1	265.5	268.4	260.1	232.6
700	216.3	218.7	227.6	205.8	225.0	211.8
650	199.0	193.5	201.5	191.9	194.6	193.9
600	177.9	179.3	178.0	179.7	175.1	172.1
550	148.8	160.9	159.8	161.3	154.8	149.9
500	130.8	134.2	142.2	144.8	136.6	137.0
450	124.7	122.8	132.3	135.6	137.4	133.8
400	130.6	130.0	137.8	143.5	140.6	152.3
350	196.9	229.1	224.2	248.9	289.8	
300						
LONG	-83.63	-83.18	-82.73	-82.20	-81.68	-81.04
LAT	-39.26	-41.32	-43.32	-45.31	-47.19	-49.28
QUAL	22	22	22	21	21	23

Table III.—Continued

PASS 569 AT SOLANT, 6211 9								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	231425	231502	231538	231614	231726	231803	231821	231915
1000	0.191	0.210	0.210	0.206	0.217	0.236	0.235	0.237
950	0.215	0.239	0.239	0.230	0.245	0.265	0.266	0.269
900	0.248	0.272	0.274	0.264	0.279	0.301	0.303	0.307
850	0.287	0.315	0.316	0.302	0.322	0.346	0.348	0.353
800	0.359	0.369	0.370	0.357	0.379	0.407	0.408	0.412
750	0.405	0.440	0.439	0.426	0.450	0.484	0.483	0.488
700	0.491	0.530	0.528	0.521	0.539	0.585	0.577	0.579
650	0.611	0.671	0.663	0.640	0.672	0.719	0.717	0.717
600	0.778	0.857	0.842	0.830	0.850	0.914	0.902	0.898
550	1.030	1.131	1.112	1.098	1.118	1.201	1.185	1.160
500	1.421	1.542	1.512	1.501	1.507	1.621	1.603	1.573
450	2.020	2.187	2.126	2.110	2.111	2.266	2.252	2.199
400	2.923	3.122	3.020	3.003	2.954	3.150	3.169	3.063
350	4.078	4.313	4.206	4.192	4.081	4.278	4.309	4.129
300		5.482		5.477	5.112	5.177		
HEIGHT	SCALE HEIGHT, KM							
	387.1	385.3	374.8	418.0	391.0	401.1	386.3	384.9
950	387.1	385.3	374.8	418.0	391.0	401.1	386.3	384.9
900	345.8	356.1	353.8	359.9	359.9	368.5	363.5	363.8
850	324.5	329.5	332.3	328.9	332.3	337.2	337.8	339.0
800	299.9	305.1	310.4	301.4	308.6	307.5	308.7	310.8
750	274.3	273.2	280.6	273.8	281.0	279.4	282.3	287.4
700	242.9	240.3	241.1	247.0	249.8	254.6	256.8	264.2
650	220.0	219.4	221.1	220.4	226.2	229.0	232.1	239.2
600	200.6	198.3	200.7	196.0	203.8	202.1	207.6	213.4
550	170.3	175.6	177.8	172.7	181.6	180.1	182.1	181.2
500	151.7	154.4	158.8	154.5	161.5	161.0	158.8	161.3
450	139.5	141.6	146.3	146.1	150.3	151.6	148.0	147.9
400	141.3	147.5	145.2	140.6	150.8	155.2	152.4	158.7
350	163.8	170.3	164.0	157.7	173.3	191.5	180.6	194.3
300		385.4		308.1	396.7	432.9		
LONG	-80.54	-79.60	-78.73	-77.79	-75.50	-74.12	-73.29	-70.58
LAT	-51.26	-53.29	-55.24	-57.20	-61.06	-63.03	-63.97	-66.78
QUAL	23	22	22	22	22	21	21	22

Table III. —Continued

PASS 569 AT SOLANT, 6211 9			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	231950	232028	232104
1000	0.248	0.232	0.267
950	0.280	0.267	0.301
900	0.319	0.307	0.343
850	0.369	0.356	0.396
800	0.432	0.416	0.464
750	0.511	0.495	0.550
700	0.610	0.596	0.659
650	0.751	0.743	0.817
600	0.946	0.930	1.025
550	1.228	1.228	1.323
500	1.635	1.655	1.766
450	2.246	2.298	2.417
400	3.104	3.172	3.332
350	4.079	4.171	4.353
300			
HEIGHT	SCALE HEIGHT, KM		
	385.7	351.4	392.8
950	385.7	351.4	392.8
900	358.6	342.1	363.7
850	334.3	325.3	333.6
800	311.2	304.2	304.1
750	287.2	275.8	280.3
700	262.8	249.0	257.2
650	236.7	226.5	235.7
600	209.8	207.8	213.0
550	187.7	183.8	187.5
500	168.6	161.6	169.0
450	157.7	152.6	156.5
400	166.4	166.4	168.8
350	210.9	219.1	221.3
300			
LONG	-68.47	-65.61	-62.58
LAT	-68.57	-70.46	-72.21
QUAL	11	12	13

Table III.—Continued

PASS 582 AT OTTAWA, 621110								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	213454	213606	213642	213718	213754	213831	213907	213943
1000	0.116	0.161	0.137	0.136	0.126	0.116	0.127	0.123
950	0.135	0.183	0.154	0.153	0.143	0.133	0.144	0.137
900	0.159	0.206	0.176	0.174	0.164	0.152	0.163	0.156
850	0.188	0.233	0.204	0.200	0.189	0.176	0.186	0.179
800	0.222	0.267	0.236	0.231	0.220	0.205	0.214	0.208
750	0.264	0.310	0.273	0.269	0.257	0.241	0.248	0.242
700	0.321	0.365	0.320	0.319	0.301	0.285	0.292	0.281
650	0.394	0.439	0.383	0.381	0.363	0.344	0.347	0.335
600	0.508	0.542	0.468	0.471	0.451	0.426	0.431	0.410
550	0.654	0.679	0.595	0.594	0.565	0.542	0.538	0.528
500	0.873	0.885	0.781	0.784	0.742	0.702	0.705	0.688
450	1.198	1.182	1.069	1.049	0.998	0.949	0.938	0.935
400	1.682	1.629	1.485	1.460	1.382	1.327	1.294	1.299
350	2.420	2.311	2.115	2.099	1.964	1.896	1.843	1.861
300	3.510	3.315	3.068	3.138	2.910	2.838	2.788	2.837
HEIGHT	SCALE HEIGHT, KM							
	315.6	404.3	394.6	391.9	375.2	361.0	391.1	414.5
950	315.6	404.3	394.6	391.9	375.2	361.0	391.1	414.5
900	305.6	404.9	355.4	371.7	355.9	346.9	386.4	376.0
850	299.8	385.5	339.1	351.7	337.2	334.3	366.6	346.3
800	285.4	345.2	336.6	332.6	319.7	320.3	345.1	328.8
750	268.1	315.6	331.9	313.9	303.8	304.4	323.4	317.6
700	246.4	289.4	298.0	288.3	288.0	283.4	291.9	306.3
650	225.4	263.2	262.5	259.8	265.0	249.5	259.6	272.6
600	209.5	237.1	229.7	229.9	237.8	224.9	236.1	223.5
550	193.6	212.0	205.1	200.3	210.4	207.1	212.5	202.0
500	168.3	189.4	177.9	183.3	182.7	186.4	189.4	182.1
450	155.7	168.7	154.9	166.4	158.6	159.2	167.7	161.4
400	139.0	149.2	147.5	147.4	153.5	149.8	153.9	149.8
350	138.3	145.3	139.5	132.7	135.3	132.1	131.3	126.2
300	132.6	136.0	130.9	123.1	127.9	122.1	118.0	112.0
LONG	-82.80	-81.28	-80.65	-80.07	-79.52	-79.03	-78.56	-78.13
LAT	54.24	50.31	48.32	46.34	44.35	42.30	40.30	38.24
QUAL	33	33	33	23	13	13	13	13

Table III.—Continued

PASS 582 AT OTTAWA, 621110					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	214019	214055	214132	214208	214244
1000	0.119	0.120	0.113	0.122	0.122
950	0.135	0.136	0.128	0.134	0.136
900	0.153	0.154	0.145	0.151	0.151
850	0.175	0.174	0.165	0.171	0.168
800	0.202	0.200	0.189	0.196	0.192
750	0.234	0.230	0.219	0.226	0.223
700	0.278	0.270	0.256	0.261	0.262
650	0.330	0.321	0.308	0.312	0.310
600	0.407	0.399	0.379	0.382	0.373
550	0.514	0.503	0.487	0.487	0.477
500	0.677	0.656	0.627	0.620	0.642
450	0.918	0.903	0.852	0.857	0.877
400	1.257	1.258	1.192	1.199	1.226
350	1.756	1.798	1.701	1.709	1.778
300	2.651	2.765	2.603	2.649	2.799
HEIGHT	SCALE HEIGHT, KM				
	394.4	404.7	398.3	449.4	464.7
950	394.4	404.7	398.3	449.4	464.7
900	384.9	396.7	386.6	409.0	449.2
850	362.7	377.8	365.6	377.9	408.3
800	337.6	355.6	346.1	357.4	373.9
750	311.8	332.1	327.0	340.1	341.1
700	288.3	298.3	299.2	317.4	310.3
650	264.9	259.2	259.2	268.5	282.4
600	237.9	234.1	229.0	232.0	242.6
550	209.0	212.5	211.0	213.3	185.6
500	172.4	177.6	191.1	194.2	169.0
450	161.0	153.5	155.8	150.9	156.9
400	156.1	147.4	145.6	145.8	145.1
350	131.3	124.6	128.9	124.0	121.1
300	115.0	109.5	113.1	107.0	103.7
LONG	-77.74	-77.41	-77.07	-76.76	-76.47
LAT	36.28	34.27	32.20	30.18	28.16
QUAL	13	13	13	13	13

Table III.—Continued

PASS 582 AT QUITOE, 621110						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	214648	214714	214818	214912	215022	215420
1000	0.151	0.155	0.172	0.185	0.193	0.218
950	0.169	0.172	0.190	0.205	0.213	0.235
900	0.188	0.191	0.212	0.226	0.237	0.254
850	0.212	0.215	0.238	0.250	0.267	0.281
800	0.241	0.244	0.269	0.285	0.301	0.322
750	0.277	0.283	0.306	0.332	0.346	0.389
700	0.326	0.333	0.363	0.395	0.415	0.511
650	0.388	0.405	0.444	0.480	0.518	0.733
600	0.486	0.503	0.561	0.613	0.660	1.107
550	0.637	0.665	0.744	0.816	0.899	2.003
500	0.855	0.896	1.019	1.136	1.271	
450	1.171	1.243	1.455	1.662	1.911	
400	1.684	1.802	2.179		3.054	
350	2.527		3.563		5.431	
300	3.887		5.955			
HEIGHT	SCALE HEIGHT, KM					
	214648	214714	214818	214912	215022	215420
950	468.0	478.3	494.6	510.1	486.6	657.1
900	436.7	446.9	443.1	479.3	442.1	575.7
850	389.1	403.0	404.4	420.3	406.2	425.2
800	365.6	367.8	377.2	371.3	371.4	333.5
750	342.1	328.5	350.0	314.6	326.6	244.3
700	302.1	285.6	288.4	279.3	258.4	154.1
650	258.7	246.6	230.9	234.4	219.7	127.6
600	209.0	209.5	196.0	189.6	189.4	101.8
550	184.0	183.4	175.2	166.2	161.2	85.7
500	167.6	163.5	152.6	146.9	134.9	
450	152.4	143.9	135.6	122.1	116.5	
400	129.7	131.9	111.9		95.8	
350	118.6		91.7		80.9	
300	119.1		111.4			
LONG	-74.81	-74.86	-74.30	-74.00	-73.63	-72.35
LAT	14.59	12.92	9.30	6.24	2.28	-11.18
QUAL	33	23	23	23	33	33

Table III.—Continued

PASS 582 AT SOLANT, 621110								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	220137	220215	220327	220439	220514	220550	220626	220704
1000	0.170	0.165	0.165	0.182	0.196	0.177	0.187	0.189
950	0.184	0.181	0.184	0.201	0.219	0.201	0.209	0.213
900	0.201	0.199	0.204	0.223	0.245	0.227	0.236	0.242
850	0.223	0.223	0.229	0.252	0.278	0.259	0.269	0.275
800	0.253	0.252	0.260	0.286	0.319	0.297	0.309	0.317
750	0.291	0.286	0.299	0.331	0.372	0.347	0.362	0.372
700	0.335	0.337	0.349	0.383	0.436	0.410	0.431	0.442
650	0.399	0.406	0.420	0.460	0.533	0.497	0.523	0.538
600	0.505	0.508	0.523	0.566	0.664	0.620	0.655	0.670
550	0.661	0.659	0.657	0.734	0.852	0.808	0.847	0.863
500	0.903	0.884	0.875	0.982	1.119	1.085	1.123	1.137
450	1.247	1.201	1.194	1.323	1.512	1.485	1.532	1.540
400	1.815	1.685	1.678	1.843	2.125	2.101	2.160	2.168
350	2.809	2.517	2.489	2.684	3.135	3.148	3.179	3.116
300	4.535	4.021	3.922	4.234	4.742	4.775	4.680	4.464
HEIGHT	SCALE HEIGHT, KM							
	574.3	570.8	486.0	480.4	439.9	401.0	423.6	410.5
950	574.3	570.8	486.0	480.4	439.9	401.0	423.6	410.5
900	497.9	490.4	444.2	437.8	408.6	386.3	391.9	387.7
850	431.5	429.2	412.5	401.0	376.9	360.0	364.7	365.0
800	397.2	383.9	382.7	366.8	345.1	340.9	334.6	333.1
750	368.3	342.3	343.5	339.1	314.1	312.5	305.8	302.6
700	339.4	300.4	296.3	311.5	283.2	282.4	277.6	273.9
650	242.7	258.5	261.5	268.6	253.9	249.6	247.9	246.3
600	210.0	221.0	235.8	221.3	225.1	214.3	216.1	219.3
550	171.6	186.9	207.9	182.4	199.5	185.0	191.9	195.5
500	159.9	171.5	166.6	174.7	177.0	168.0	173.3	174.7
450	146.0	157.0	150.8	160.9	158.8	154.4	158.5	158.7
400	124.9	138.5	140.2	145.3	139.0	133.5	137.1	143.1
350	109.8	114.6	118.9	122.3	123.9	121.1	129.0	138.5
300	111.1	106.5	105.1	106.7	127.9	133.5	148.7	156.8
LONG	-69.14	-68.74	-67.58	-66.87	-66.31	-65.68	-64.98	-64.18
LAT	-35.81	-37.93	-41.94	-45.94	-47.87	-49.85	-51.83	-53.91
QUAL	33	33	33	32	33	32	21	32

Table III.—Continued

PASS 582 AT SGLANT, 621110								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	220740	220817	220851	220958	221034	221111	221147	221223
1000	0.168	0.203	0.204	0.202	0.212	0.213	0.213	0.223
950	0.212	0.229	0.231	0.226	0.234	0.242	0.239	0.251
900	0.239	0.259	0.262	0.257	0.262	0.274	0.271	0.283
850	0.273	0.296	0.300	0.295	0.300	0.311	0.311	0.322
800	0.315	0.342	0.347	0.343	0.351	0.357	0.360	0.371
750	0.370	0.400	0.408	0.401	0.411	0.417	0.420	0.436
700	0.436	0.475	0.481	0.473	0.482	0.492	0.497	0.517
650	0.532	0.580	0.589	0.578	0.588	0.589	0.599	0.623
600	0.661	0.724	0.727	0.712	0.727	0.735	0.745	0.776
550	0.857	0.926	0.939	0.922	0.929	0.938	0.948	0.979
500	1.125	1.221	1.229	1.210	1.214	1.240	1.249	1.286
450	1.530	1.656	1.654	1.632	1.643	1.663	1.688	1.739
400	2.146	2.288	2.272	2.241	2.261	2.241	2.318	2.392
350	3.041	3.178	3.112	3.077	3.073	3.081	3.136	3.181
300	4.270	4.270	4.064	3.943	3.985	4.082		4.017
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	404.8	409.1	395.1	404.4	465.3	399.0	410.7	418.2
900	386.1	387.1	376.8	378.6	406.2	390.9	380.2	396.8
850	359.3	356.2	353.5	349.8	361.5	369.4	354.6	364.2
800	328.9	328.6	326.4	321.7	322.5	346.5	330.6	334.5
750	304.4	301.8	300.7	300.1	302.9	321.6	309.1	309.9
700	280.0	273.9	275.1	277.2	282.9	288.7	283.0	282.0
650	249.3	244.8	248.4	250.0	252.7	248.3	252.7	247.9
600	216.5	219.8	221.7	223.3	224.0	223.7	224.6	225.4
550	196.5	199.2	200.5	200.4	202.5	199.0	198.2	205.2
500	177.3	176.7	180.8	178.4	180.3	177.0	179.0	181.7
450	156.7	160.4	164.4	163.1	162.4	170.1	160.5	161.3
400	146.3	152.5	159.0	157.6	160.0	162.9	161.4	166.6
350	141.4	158.3	166.1	170.2	171.5	157.4	171.2	191.2
300	175.8	218.6	262.4	294.4	299.2	267.8		300.2
LONG	-63.49	-62.27	-61.24	-58.79	-57.07	-55.13	-52.87	-50.10
LAT	-55.86	-57.87	-59.70	-63.26	-65.14	-67.06	-68.89	-70.67
QUAL	21	21	11	11	11	12	13	12

Table III.—Continued

PASS 582 AT SOLANT, 621110		
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)		
HEIGHT	TIME (UT)	
	221353	221448
1000	0.253	0.256
950	0.259	0.287
900	0.292	0.324
850	0.334	0.369
800	0.382	0.420
750	0.441	0.486
700	0.522	0.574
650	0.632	0.687
600	0.770	0.837
550	0.980	1.037
500	1.280	1.313
450	1.720	1.706
400	2.343	2.256
350	3.154	2.991
300	3.952	
HEIGHT	SCALE HEIGHT, KM	
	444.2	422.8
950	444.2	422.8
900	398.6	400.3
850	374.3	381.3
800	355.2	350.8
750	320.0	323.6
700	275.3	298.3
650	257.6	273.5
600	239.9	249.5
550	205.1	225.4
500	181.1	203.9
450	167.2	186.7
400	164.9	179.5
350	184.2	189.3
300	318.1	
LONG	-40.74	-31.90
LAT	-74.88	-77.12
* QUAL	32	33

Table III.—Continued

PASS 588 AT SOLANT, 621111								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	85640	85715	85809	85846	85922	85958	90034	90110
1000	0.331	0.314	0.259	0.223	0.197	0.188	0.178	0.168
950	0.382	0.363	0.300	0.263	0.231	0.220	0.208	0.194
900	0.442	0.423	0.350	0.310	0.272	0.258	0.242	0.224
850	0.518	0.500	0.417	0.368	0.324	0.304	0.283	0.258
800	0.619	0.603	0.503	0.443	0.391	0.367	0.342	0.314
750	0.752	0.739	0.612	0.543	0.482	0.448	0.415	0.390
700	0.918	0.916	0.781	0.678	0.600	0.554	0.518	0.489
650	1.163	1.160	1.004	0.864	0.780	0.702	0.652	0.619
600	1.525	1.511	1.297	1.135	1.018	0.922	0.865	0.812
550	2.064	2.034	1.727	1.538	1.383	1.244	1.168	1.106
500	2.875	2.829	2.434	2.175	1.930	1.759	1.645	1.579
450	4.217	4.062	3.541	3.222	2.848	2.601	2.442	2.383
400	6.044	5.819	5.145	4.706	4.244	3.932	3.786	3.637
350	8.112		6.743	6.314	5.943	5.567	5.385	5.393
300			6.855					
HEIGHT	SCALE HEIGHT, KM							
	85640	85715	85809	85846	85922	85958	90034	90110
950	343.5	335.2	331.6	306.2	314.1	315.1	330.9	364.4
900	322.8	312.1	306.6	297.0	291.8	301.6	310.6	331.6
850	298.6	282.8	280.6	277.7	272.8	286.2	290.2	298.8
800	270.3	255.0	252.3	256.2	255.1	262.0	269.5	270.4
750	252.9	241.6	223.8	237.9	234.0	241.6	248.8	243.1
700	236.1	225.8	215.0	218.8	211.5	224.7	223.7	219.3
650	202.7	205.1	206.2	198.6	195.5	203.2	199.3	200.3
600	177.9	180.9	192.7	178.3	180.2	177.4	180.8	178.2
550	160.7	161.0	164.4	155.9	160.8	158.5	160.4	154.4
500	142.4	146.1	140.5	137.3	140.3	139.1	138.1	133.7
450	130.8	137.5	130.6	127.5	124.7	123.6	120.3	119.8
400	144.8	148.2	147.6	143.2	133.1	128.0	124.7	121.7
350	239.5			291.3	221.2	211.9	175.4	147.7
300								
LONG	-84.23	-82.31	-79.91	-78.57	-77.40	-76.30	-75.42	-74.59
LAT	-67.15	-65.34	-62.51	-60.54	-58.62	-56.68	-54.72	-52.76
QUAL	13	23	12	12	21	21	22	22

Table III.—Continued

PASS 588 AT SOLANT, 621111						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	90147	90223	90258	90335	90411	90524
1000	0.154	0.149	0.142	0.136	0.122	0.112
950	0.180	0.171	0.162	0.151	0.136	0.124
900	0.210	0.197	0.186	0.174	0.153	0.139
850	0.247	0.235	0.215	0.202	0.179	0.157
800	0.302	0.282	0.256	0.238	0.214	0.187
750	0.371	0.346	0.313	0.281	0.258	0.227
700	0.468	0.423	0.386	0.332	0.312	0.277
650	0.593	0.524	0.484	0.436	0.398	0.344
600	0.783	0.697	0.626	0.574	0.512	0.425
550	1.060	0.945	0.843	0.782	0.694	0.552
500	1.506	1.339	1.194	1.076	0.967	0.780
450	2.255	2.006	1.796	1.635	1.453	1.157
400	3.429	3.134	2.799	2.563		1.860
350	4.987	4.686	4.302	3.970		3.117
300			5.822	5.456		
HEIGHT	SCALE HEIGHT, KM					
	90147	90223	90258	90335	90411	90524
950	325.7	338.9	362.9	395.8	422.0	442.2
900	300.7	312.7	338.7	360.3	362.7	393.9
850	276.8	286.9	314.5	324.7	325.8	345.5
800	257.0	261.1	286.8	299.6	289.8	313.9
750	237.2	246.5	257.4	275.1	260.4	283.9
700	218.2	232.2	231.3	250.1	232.6	253.8
650	199.4	214.6	209.1	210.4	210.2	232.1
600	179.4	183.6	186.7	174.1	188.3	210.8
550	158.0	156.8	164.1	161.4	165.3	182.4
500	134.0	136.0	137.4	143.1	140.6	142.8
450	123.2	118.4	114.7	115.9	114.1	120.0
400	121.8	115.5	115.7	112.6		99.6
350	162.3	138.9	129.7	129.9		106.8
300			275.5	221.8		
LONG	-73.84	-73.19	-72.59	-72.05	-71.54	-70.66
LAT	-50.74	-48.76	-46.84	-44.80	-42.81	-38.77
QUAL	22	23	22	23	33	23

Table III. —Continued

PASS 589 AT OTTAWA, 621111		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	93409	93444
1000	0.032	0.076
950	0.037	0.087
900	0.044	0.099
850	0.054	0.115
800	0.067	0.135
750	0.084	0.161
700	0.104	0.196
650	0.131	0.240
600	0.180	0.303
550	0.245	0.380
500	0.332	0.490
450	0.447	0.637
400	0.601	0.827
350	0.827	1.089
300	1.143	1.440
HEIGHT	SCALE HEIGHT, KM	
	93409	93444
950	308.8	370.4
900	277.3	338.8
850	250.5	319.9
800	230.2	301.0
750	221.3	280.3
700	212.4	256.8
650	199.9	234.6
600	176.3	222.9
550	165.3	211.2
500	166.5	203.9
450	165.1	198.4
400	163.8	189.6
350	159.0	181.5
300	153.8	185.8
LONG	-54.99	-53.93
LAT	57.36	59.25
QUAL	33	33

Table III.—Continued

PASS 596 AT RESLUT, 621111			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	220423	220434	221131
1000	0.020	0.028	0.115
950	0.025	0.037	0.141
900	0.032	0.046	0.169
850	0.042	0.057	0.202
800	0.054	0.072	0.244
750	0.070	0.090	0.299
700	0.093	0.113	0.372
650	0.123	0.143	0.468
600	0.163	0.187	0.604
550	0.224	0.254	0.802
500	0.313	0.348	1.085
450	0.438	0.483	1.510
400	0.605	0.671	2.184
350	0.881	0.972	3.229
300			4.850
HEIGHT	SCALE HEIGHT, KM		
	220423	220434	221131
950	204.0	208.0	265.6
900	188.7	225.6	270.7
850	188.7	223.1	267.2
800	204.2	223.1	258.4
750	174.5	221.8	238.9
700	180.7	215.8	223.1
650	186.8	202.1	209.5
600	169.6	174.7	186.5
550	154.7	159.2	174.5
500	155.1	158.5	161.2
450	152.2	153.6	144.3
400	146.5	146.1	131.9
350	138.9	133.3	125.7
300			133.6
LONG	-129.46	-127.32	-95.32
LAT	77.06	77.26	56.71
QUAL	33	33	33

Table III.—Continued

PASS 596 AT OTTAWA, 621111								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	221253	221329	221405	221441	221518	221554	221630	221706
1000	0.145	0.128	0.148	0.144	0.168	0.146	0.155	0.165
950	0.164	0.148	0.174	0.165	0.187	0.163	0.172	0.185
900	0.188	0.173	0.201	0.187	0.211	0.184	0.194	0.207
850	0.220	0.204	0.231	0.214	0.240	0.211	0.222	0.233
800	0.258	0.242	0.268	0.249	0.275	0.244	0.257	0.267
750	0.304	0.291	0.319	0.294	0.316	0.285	0.298	0.311
700	0.363	0.349	0.385	0.350	0.371	0.333	0.347	0.365
650	0.454	0.438	0.476	0.428	0.442	0.402	0.421	0.438
600	0.572	0.552	0.612	0.526	0.544	0.498	0.523	0.547
550	0.748	0.731	0.793	0.672	0.683	0.645	0.670	0.699
500	0.989	0.984	1.045	0.888	0.895	0.859	0.879	0.919
450	1.358	1.367	1.411	1.194	1.202	1.172	1.185	1.241
400	1.909	1.923	1.944	1.637	1.654	1.616	1.630	1.707
350	2.693	2.747	2.715	2.300	2.336	2.325	2.344	2.447
300	3.836	3.963	3.825	3.274	3.368	3.492	3.427	3.606
HEIGHT	SCALE HEIGHT, KM							
	376.2	320.6	325.1	373.5	419.3	426.6	440.9	440.4
950	376.2	320.6	325.1	373.5	419.3	426.6	440.9	440.4
900	344.5	310.6	349.4	368.5	393.6	388.3	394.4	417.4
850	321.3	295.6	333.3	343.2	375.5	352.8	358.5	382.5
800	300.0	280.2	311.7	319.2	358.2	330.8	335.0	354.4
750	280.8	264.6	285.3	296.8	339.8	314.8	318.9	329.5
700	259.8	249.0	250.7	274.3	301.3	298.8	301.9	298.2
650	231.8	226.4	218.8	250.6	265.6	259.3	254.8	250.0
600	205.7	203.5	206.7	226.8	236.4	215.7	220.4	223.7
550	189.8	182.8	192.4	204.4	209.1	191.2	200.8	204.2
500	173.5	154.9	173.6	183.1	185.9	169.9	177.9	177.5
450	154.6	152.5	165.1	167.4	168.1	160.5	164.6	163.7
400	144.3	143.4	153.0	151.5	149.6	147.7	148.1	148.5
350	145.9	138.6	148.1	146.3	144.3	129.4	134.8	134.7
300	136.1	145.2	152.9	141.2	133.8	130.9	137.5	130.5
LONG	-93.43	-92.70	-92.00	-91.42	-90.84	-90.29	-89.89	-89.52
LAT	52.25	50.27	48.29	46.31	44.26	42.26	40.26	38.25
QUAL	33	23	33	33	33	23	23	23

Table III.—Continued

PASS 596 AT OTTAWA, 621111				
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)				
HEIGHT	TIME (UT)			
	221742	221819	221855	221931
1000	0.165	0.165	0.163	0.165
950	0.184	0.184	0.181	0.186
900	0.206	0.205	0.202	0.209
850	0.232	0.230	0.228	0.236
800	0.264	0.262	0.260	0.268
750	0.304	0.305	0.303	0.310
700	0.358	0.358	0.354	0.362
650	0.432	0.433	0.426	0.436
600	0.542	0.542	0.532	0.550
550	0.661	0.685	0.688	0.702
500	0.891	0.911	0.915	0.947
450	1.197	1.231	1.243	1.296
400	1.645	1.707	1.729	1.815
350	2.370	2.509	2.527	2.679
300	3.520	3.881	3.974	4.188
HEIGHT	SCALE HEIGHT, KM			
950	445.5	457.8	458.9	422.9
900	427.0	426.6	413.2	415.0
850	396.1	392.9	387.6	391.1
800	366.8	359.2	362.1	365.3
750	337.7	326.1	329.5	334.9
700	286.4	293.0	296.2	297.0
650	245.4	261.8	259.9	237.6
600	229.6	232.5	220.7	215.7
550	213.7	202.6	190.3	194.5
500	185.4	172.6	170.6	170.0
450	165.1	159.7	159.1	156.3
400	148.1	140.5	142.5	137.8
350	134.5	126.1	122.6	121.5
300	118.2	114.2	106.2	111.8
LONG	-89.13	-88.76	-88.43	-88.12
LAT	36.24	34.18	32.16	30.14
QUAL	13	13	13	13

Table III.—Continued

PASS 596 AT QUITOE, 621111								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	222300	222336	222412	222449	222525	222601	222639	222713
1000	0.177	0.172	0.177	0.175	0.192	0.193	0.205	0.225
950	0.191	0.187	0.190	0.190	0.208	0.208	0.225	0.245
900	0.210	0.205	0.208	0.208	0.227	0.228	0.249	0.271
850	0.234	0.230	0.233	0.230	0.252	0.256	0.280	0.306
800	0.263	0.259	0.264	0.258	0.284	0.290	0.319	0.352
750	0.301	0.299	0.300	0.294	0.326	0.342	0.373	0.417
700	0.350	0.352	0.353	0.347	0.389	0.414	0.458	0.517
650	0.424	0.430	0.424	0.422	0.479	0.511	0.582	0.681
600	0.533	0.542	0.531	0.546	0.624	0.670	0.781	0.935
550	0.699	0.713	0.710	0.734	0.859	0.926	1.113	1.439
500	0.959	0.965	0.967	1.024	1.220	1.336	1.677	2.345
450	1.375	1.366	1.359	1.486	1.793	2.072	2.752	4.124
400	2.073	2.020	2.025	2.293	2.822	3.478	4.861	7.248
350	3.275	3.216	3.311	3.821	4.744	6.084	8.472	11.964
300	5.256	5.620	6.419	6.974	8.083		13.580	
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	581.3	562.2	607.1	587.6	604.6	608.1	521.3	547.1
900	502.4	489.1	516.6	529.9	522.6	494.7	463.2	462.9
850	440.3	435.0	435.2	461.6	457.5	414.7	406.7	379.6
800	392.1	371.3	382.0	405.6	398.6	348.1	344.1	324.7
750	359.0	327.9	347.6	347.3	316.7	298.5	284.4	262.4
700	299.4	284.7	302.5	272.3	265.4	255.4	239.2	211.6
650	243.2	241.4	250.5	228.2	228.4	219.6	196.2	176.8
600	205.4	206.7	199.9	192.7	182.1	170.8	157.8	144.3
550	171.6	183.9	177.2	159.4	151.4	145.2	137.1	110.8
500	150.2	158.3	158.2	143.6	139.0	127.1	112.4	95.7
450	132.6	138.3	137.7	127.6	122.6	104.0	94.4	89.1
400	115.0	117.7	115.6	107.9	104.7	92.1	87.2	95.0
350	106.3	101.6	88.3	88.8	92.1	96.3	93.6	111.9
300	108.0	81.3	66.7	85.5	109.4		117.4	
LONG	-86.60	-86.38	-86.16	-85.94	-85.74	-85.54	-85.34	-85.15
LAT	18.37	16.34	14.30	12.20	10.17	8.13	5.98	4.05
QUAL	32	33	33	33	33	33	33	33

Table III.—Continued

PASS 596 AT QUITOE, 621111								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	222750	222826	222902	222938	223014	223050	223127	223203
1000	0.239	0.244	0.247	0.279	0.300	0.303	0.318	0.316
950	0.262	0.271	0.283	0.315	0.338	0.346	0.362	0.358
900	0.290	0.305	0.324	0.359	0.390	0.405	0.421	0.414
850	0.329	0.352	0.376	0.424	0.468	0.492	0.505	0.500
800	0.384	0.414	0.454	0.525	0.577	0.618	0.647	0.640
750	0.458	0.516	0.580	0.694	0.780	0.813	0.861	0.845
700	0.584	0.681	0.815	0.971	1.077	1.110	1.135	1.137
650	0.799	0.966	1.190	1.387	1.499	1.560	1.554	1.614
600	1.147	1.497	1.862	2.046	2.184	2.270	2.244	2.348
550	1.809	2.490	2.979	3.137	3.303	3.344	3.348	3.464
500	3.134	4.267	4.594	4.742	4.956	4.969	5.021	5.193
450	5.580	6.692	6.914	7.136	7.369	7.378	7.559	7.924
400	9.031	9.903	10.177		10.756	10.847		11.706
350								
300								
HEIGHT	SCALE HEIGHT, KM							
	511.3	457.7	365.1	402.0	393.9	338.6	348.3	364.6
950	511.3	457.7	365.1	402.0	393.9	338.6	348.3	364.6
900	442.5	391.8	354.5	343.1	299.0	282.5	300.9	305.9
850	366.3	316.0	304.5	265.2	264.5	245.2	248.9	235.9
800	302.8	273.8	229.2	211.9	224.3	205.4	180.5	191.1
750	249.6	213.3	181.0	173.8	160.7	174.2	178.8	176.5
700	182.9	167.3	150.5	148.7	154.7	155.1	170.9	158.3
650	156.1	133.3	123.0	135.6	142.5	141.5	148.2	137.9
600	127.2	107.6	108.0	123.3	126.2	130.4	130.3	131.9
550	101.3	93.3	112.6	117.9	120.5	128.6	124.8	126.0
500	86.0	101.8	118.4	125.0	127.0	124.6	121.6	120.5
450	90.4	120.1	122.7	128.0	127.2	129.3	126.6	122.3
400	118.6	129.6	142.3		137.8	132.5		133.2
350								
300								
LONG	-84.96	-84.77	-84.58	-84.39	-84.19	-83.99	-83.79	-83.59
LAT	1.96	-0.08	-2.11	-4.15	-6.19	-8.22	-10.32	-12.36
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 596 AT AGASTA, 621111						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	223434	223511	223605	223641	223715	223753
1000	0.272	0.267	0.243	0.230	0.239	0.252
950	0.303	0.296	0.269	0.257	0.257	0.269
900	0.343	0.328	0.297	0.286	0.282	0.294
850	0.393	0.370	0.332	0.322	0.312	0.329
800	0.476	0.439	0.383	0.365	0.362	0.369
750	0.616	0.552	0.454	0.431	0.432	0.420
700	0.839	0.742	0.553	0.531	0.525	0.509
650	1.259	1.079	0.744	0.681	0.672	0.647
600	1.902	1.692	1.064	0.923	0.887	0.856
550	2.986	2.876	1.683	1.315	1.225	1.166
500	4.642	4.818	2.956	2.037	1.835	1.661
450	7.267	7.770	5.252	3.531	3.107	2.534
400	10.872	11.660	9.088	6.474	5.318	4.203
350				11.322	9.018	7.175
300						10.895
HEIGHT	SCALE HEIGHT, KM					
950	429.3	489.8	541.0	457.1	720.7	711.7
900	392.9	437.1	467.4	431.1	536.0	566.7
850	313.4	358.0	400.7	402.3	404.1	454.6
800	228.9	261.3	335.2	368.7	343.4	399.6
750	182.4	197.4	272.8	266.5	283.8	338.2
700	143.2	156.8	214.2	226.2	230.6	242.1
650	123.1	125.1	166.4	186.9	199.0	198.6
600	117.6	103.7	128.2	157.9	172.0	174.1
550	112.7	92.0	98.8	131.4	143.2	154.7
500	108.2	102.2	84.5	103.4	112.8	130.0
450	117.0	112.8	89.5	81.0	92.2	111.7
400	131.0	141.6	99.3	87.7	93.7	91.9
350				96.4	96.6	105.9
300						172.8
LONG	-82.66	-82.41	-82.02	-81.74	-81.46	-81.13
LAT	-20.69	-22.98	-26.02	-28.05	-29.96	-32.10
QUAL	23	23	23	23	23	23

Table III.—Continued

PASS 596 AT AGASTA, 621111							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	223942	224018	224052	224130	224207	224243	224319
1000	0.249	0.251	0.307	0.271	0.270	0.206	0.261
950	0.276	0.275	0.324	0.300	0.301	0.232	0.292
900	0.305	0.306	0.356	0.334	0.333	0.264	0.330
850	0.339	0.345	0.404	0.377	0.381	0.300	0.375
800	0.382	0.389	0.458	0.429	0.441	0.345	0.430
750	0.441	0.450	0.522	0.493	0.513	0.399	0.494
700	0.524	0.537	0.601	0.587	0.607	0.471	0.592
650	0.640	0.657	0.748	0.724	0.747	0.586	0.726
600	0.810	0.818	0.949	0.916	0.953	0.765	0.919
550	1.049	1.072	1.219	1.185	1.253	1.026	1.196
500	1.401	1.449	1.647	1.593	1.682	1.418	1.640
450	1.938	2.009	2.278	2.215	2.349	2.027	2.336
400	2.866	2.917	3.273	3.147	3.382	2.928	3.397
350	4.545	4.437	4.865	4.545	4.804	4.229	4.901
300	7.200	6.677	6.768	6.298		5.599	
HEIGHT	SCALE HEIGHT, KM						
	491.0	502.1	782.1	473.5	445.3	402.6	421.2
950	491.0	502.1	782.1	473.5	445.3	402.6	421.2
900	471.4	451.4	610.3	437.4	418.8	389.9	397.1
850	433.2	409.4	438.5	401.5	385.2	368.4	372.0
800	386.8	370.9	394.4	362.6	351.5	342.7	345.4
750	327.6	327.5	353.4	322.4	312.0	313.8	318.7
700	276.2	279.5	310.0	279.1	271.0	274.6	280.3
650	234.2	241.8	239.8	234.3	228.8	211.8	237.8
600	211.4	212.1	204.7	208.9	199.4	186.0	206.9
550	185.9	184.0	186.8	184.9	178.7	165.1	177.7
500	164.5	161.9	161.6	161.6	161.6	149.1	151.8
450	143.8	145.8	147.6	147.9	142.3	139.1	136.4
400	119.4	126.2	130.4	141.0	140.4	135.7	136.2
350	101.3	120.3	130.8	136.3	154.9	147.1	147.7
300	131.7	155.0	220.2	220.4		285.9	
LONG	-80.04	-79.63	-79.21	-78.69	-78.15	-77.56	-76.91
LAT	-38.19	-40.20	-42.09	-44.20	-46.26	-48.24	-50.22
QUAL	23	22	22	22	22	32	22

Table III. —Continued

PASS 596 AT SOLANT, 621111								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	223830	223906	223942	224018	224112	224149	224225	224301
1000	0.203	0.202	0.220	0.228	0.234	0.234	0.253	0.250
950	0.219	0.225	0.242	0.250	0.258	0.257	0.279	0.276
900	0.240	0.248	0.268	0.278	0.287	0.287	0.311	0.308
850	0.271	0.276	0.300	0.314	0.325	0.327	0.351	0.351
800	0.309	0.310	0.340	0.359	0.374	0.381	0.403	0.405
750	0.353	0.362	0.395	0.418	0.437	0.447	0.470	0.470
700	0.418	0.430	0.467	0.490	0.517	0.524	0.565	0.565
650	0.519	0.532	0.577	0.598	0.645	0.665	0.712	0.695
600	0.671	0.668	0.732	0.763	0.825	0.858	0.922	0.898
550	0.895	0.891	0.966	0.997	1.073	1.121	1.218	1.163
500	1.250	1.241	1.297	1.346	1.435	1.506	1.647	1.641
450	1.836	1.811	1.807	1.895	1.983	2.100	2.281	2.380
400	2.920	2.791	2.701	2.785	2.856	3.029	3.272	3.438
350	5.002		4.291	4.273	4.272	4.391	4.592	4.875
300	8.547		6.964	6.493	6.175	6.027		6.184
HEIGHT	SCALE HEIGHT, KM							
	223830	223906	223942	224018	224112	224149	224225	224301
950	593.6	508.2	484.8	492.2	468.8	475.5	474.8	463.0
900	485.8	464.3	452.5	444.5	422.1	417.8	432.0	416.0
850	417.2	422.8	412.8	391.0	384.0	367.1	391.0	373.1
800	367.4	381.3	371.2	343.3	349.1	321.4	351.0	335.4
750	328.0	327.5	321.2	314.1	307.2	291.0	303.0	302.6
700	279.4	272.2	270.5	285.0	259.9	260.6	251.6	260.9
650	222.3	236.8	234.4	251.1	232.5	231.9	194.9	220.1
600	192.4	205.7	201.9	212.8	211.0	203.4	188.3	198.6
550	162.0	167.8	176.9	181.7	188.3	181.7	172.7	177.0
500	140.8	143.4	160.6	158.8	165.5	162.6	162.8	147.0
450	121.9	124.6	142.7	139.9	148.7	142.0	145.8	134.7
400	101.1	107.7	116.9	125.5	129.8	134.0	140.1	137.4
350	88.1		103.9	114.2	125.7	139.1	157.7	168.8
300	112.4		119.7	149.1	172.5	236.6		773.0
LONG	-80.78	-80.43	-80.04	-79.63	-78.94	-78.42	-77.86	-77.26
LAT	-34.17	-36.18	-38.19	-40.20	-43.21	-45.26	-47.25	-49.23
QUAL	33	33	32	32	22	21	33	22

Table III.—Continued

PASS 596 AT SOLANT, 621111								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	224337	224437	224514	224550	224626	224702	224738	224814
1000	0.231	0.240	0.220	0.217	0.223	0.227	0.215	0.233
950	0.263	0.268	0.247	0.245	0.250	0.256	0.242	0.261
900	0.298	0.303	0.281	0.278	0.282	0.290	0.276	0.295
850	0.340	0.344	0.324	0.318	0.324	0.333	0.319	0.340
800	0.393	0.397	0.378	0.370	0.378	0.388	0.369	0.395
750	0.460	0.465	0.446	0.436	0.448	0.459	0.434	0.466
700	0.555	0.558	0.536	0.523	0.534	0.551	0.524	0.555
650	0.691	0.688	0.665	0.657	0.664	0.678	0.651	0.688
600	0.868	0.888	0.849	0.831	0.839	0.866	0.822	0.867
550	1.150	1.177	1.105	1.095	1.089	1.128	1.072	1.120
500	1.590	1.629	1.509	1.499	1.480	1.519	1.448	1.484
450	2.263	2.313	2.134	2.109	2.059	2.074	2.012	2.042
400	3.271	3.327	3.070	3.029	2.937	2.894	2.831	2.785
350	4.597	4.694	4.387	4.268	4.154	4.000	3.873	3.793
300	5.936	6.092	5.784	5.708	5.427	5.119		4.768
HEIGHT	SCALE HEIGHT, KM							
	224337	224437	224514	224550	224626	224702	224738	224814
950	388.3	435.4	393.7	400.8	414.3	401.1	392.9	408.5
900	376.6	395.3	365.2	374.7	377.6	371.3	358.6	371.0
850	357.1	363.5	337.8	348.8	345.8	343.3	337.2	348.6
800	336.6	334.1	311.0	323.2	317.0	316.0	319.4	326.2
750	294.1	302.0	284.8	286.3	287.9	287.7	291.2	295.4
700	243.8	260.5	256.7	245.9	258.6	258.2	252.1	260.3
650	226.5	225.3	226.0	226.0	231.3	231.0	226.8	235.9
600	208.5	199.1	200.8	206.0	204.6	207.4	207.8	214.5
550	172.4	170.5	179.3	172.8	179.4	185.1	185.2	192.2
500	153.2	148.6	157.7	156.2	161.1	166.7	162.1	169.4
450	137.4	141.8	140.0	142.1	146.7	156.7	149.6	156.9
400	139.0	138.9	137.9	138.5	140.1	148.9	150.6	162.6
350	165.7	160.4	149.9	158.3	155.7	171.4	176.2	178.2
300	345.1	329.6	296.1	218.9	268.8	357.2		330.6
LONG	-76.56	-75.27	-74.35	-73.33	-72.15	-70.88	-69.30	-67.55
LAT	-51.21	-54.49	-56.50	-58.44	-60.37	-62.29	-64.18	-66.06
QUAL	22	21	21	21	33	21	12	22

Table III.—Continued

PASS 596 AT SOLANT, 621111					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	224851	224927	225003	225039	225114
1000	0.239	0.244	0.259	0.262	0.281
950	0.270	0.275	0.287	0.298	0.315
900	0.305	0.311	0.322	0.336	0.354
850	0.350	0.355	0.366	0.381	0.401
800	0.403	0.410	0.426	0.434	0.458
750	0.472	0.483	0.502	0.500	0.529
700	0.559	0.574	0.598	0.589	0.626
650	0.683	0.695	0.722	0.704	0.754
600	0.856	0.875	0.914	0.878	0.928
550	1.100	1.126	1.153	1.114	1.172
500	1.448	1.483	1.559	1.429	1.516
450	1.968	2.013	2.118	1.884	1.974
400	2.690	2.756	2.909	2.535	2.622
350	3.610	3.676	3.861	3.389	3.453
300	4.502	4.455	4.608		
HEIGHT	SCALE HEIGHT, KM				
	401.3	409.8	448.2	398.6	427.5
950	376.9	384.3	408.1	398.7	415.0
900	356.2	355.5	368.1	390.3	385.6
850	335.5	325.7	328.1	365.0	353.5
800	306.5	300.5	295.4	324.2	319.8
750	275.2	276.1	272.1	292.9	290.7
700	246.8	249.6	246.1	261.2	263.8
650	220.2	219.1	212.2	227.5	234.5
600	196.7	194.7	191.2	207.5	206.4
550	174.7	176.0	175.1	194.1	193.8
500	161.2	162.0	161.3	175.8	184.0
450	164.5	165.6	165.1	171.2	178.0
400	190.6	201.6	206.3	178.5	195.5
350	381.2	453.7	539.2		
300					
LONG	-65.45	-62.90	-60.09	-56.36	-52.14
LAT	-67.96	-69.76	-71.54	-73.23	-74.81
QUAL	11	11	21	33	33

Table III. —Continued

PASS 623 AT RESLUT, 621113				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	213016	213300	213335	213919
1000	0.020	0.015	0.004	0.168
950	0.025	0.020	0.005	0.197
900	0.030	0.025	0.007	0.230
850	0.037	0.032	0.009	0.270
800	0.045	0.041	0.011	0.320
750	0.056	0.054	0.015	0.384
700	0.071	0.072	0.020	0.465
650	0.092	0.098	0.027	0.574
600	0.122	0.137	0.036	0.729
550	0.168	0.187	0.047	0.959
500	0.238	0.279	0.066	1.304
450	0.353	0.412	0.091	1.836
400		0.632	0.137	2.712
350		1.011	0.211	4.241
300		1.600	0.342	6.547
HEIGHT	SCALE HEIGHT, KM			
	213016	213300	213335	213919
950	232.2	203.9	255.1	316.4
900	253.4	211.9	188.0	315.2
850	259.0	202.6	188.0	301.7
800	231.9	187.3	188.0	286.8
750	215.9	176.1	188.1	270.7
700	204.0	167.5	186.2	250.6
650	186.6	160.4	180.5	221.2
600	169.8	154.3	174.7	200.6
550	155.7	148.1	168.0	169.6
500	138.9	135.3	155.4	156.7
450	119.6	123.7	142.8	139.6
400		114.7	125.5	119.5
350		107.9	109.7	110.1
300		116.5	93.7	122.3
LONG	175.79	-133.37	-125.99	-94.17
LAT	79.78	78.91	77.71	61.29
QUAL	33	33	33	33

Table III.—Continued

PASS 623 AT QUITOE, 621113								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	215320	215356	215450	215526	215638	215714	215826	215938
1000	0.194	0.196	0.193	0.214	0.212	0.222	0.250	0.253
950	0.215	0.216	0.214	0.232	0.233	0.241	0.265	0.283
900	0.235	0.235	0.234	0.255	0.255	0.265	0.289	0.317
850	0.258	0.259	0.259	0.283	0.281	0.294	0.317	0.360
800	0.287	0.288	0.290	0.317	0.312	0.329	0.367	0.418
750	0.322	0.331	0.328	0.360	0.357	0.370	0.439	0.520
700	0.377	0.391	0.391	0.427	0.418	0.440	0.546	0.687
650	0.455	0.468	0.477	0.519	0.509	0.542	0.750	0.951
600	0.561	0.578	0.605	0.647	0.655	0.709	1.117	1.341
550	0.714	0.746	0.795	0.832	0.871	1.002	1.685	1.916
500	0.929	0.971	1.065	1.084	1.202	1.594	2.551	2.891
450	1.241	1.302	1.472	1.447	1.783		3.948	4.414
400	1.731	1.808	2.110	2.007	3.312		5.884	6.614
350	2.539	2.766	3.190		6.144		8.674	9.961
300	4.071							
HEIGHT	SCALE HEIGHT, KM							
	215320	215356	215450	215526	215638	215714	215826	215938
950	529.7	579.0	503.5	572.1	537.4	552.2	845.1	438.4
900	527.2	525.3	504.4	517.7	518.6	509.4	568.8	408.7
850	486.0	469.9	464.2	463.1	475.4	475.1	433.7	361.3
800	443.7	414.5	408.5	408.7	427.3	421.1	345.2	287.4
750	391.5	365.1	352.0	353.2	364.0	355.4	263.6	218.0
700	306.1	317.9	291.6	293.8	293.9	286.9	198.8	171.0
650	260.2	264.7	236.4	246.5	224.7	221.4	144.2	151.7
600	233.4	218.4	197.8	214.6	193.0	167.4	123.3	144.7
550	202.2	200.3	182.1	199.5	169.4	132.4	122.6	130.9
500	183.3	180.3	165.3	184.2	145.8	93.5	117.6	118.9
450	161.6	162.8	148.3	164.0	103.7		119.0	120.8
400	142.6	140.1	130.6	144.4	74.7		130.7	123.7
350	116.7	105.5	120.0		85.3		131.9	130.6
300	107.6							
LONG	-82.59	-82.17	-81.87	-81.68	-81.29	-81.10	-80.72	-80.33
LAT	14.58	12.55	9.49	7.45	3.37	1.33	-2.73	-6.81
QUAL	13	23	23	23	23	23	23	23

Table III. — Continued

PASS 623 AT QUITOL, 621113							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	220016	220052	220128	220204	220240	220320	220356
1000	0.262	0.264	0.266	0.271	0.254	0.176	0.243
950	0.269	0.293	0.292	0.298	0.283	0.197	0.257
900	0.324	0.328	0.327	0.329	0.311	0.229	0.279
850	0.371	0.378	0.374	0.374	0.351	0.277	0.305
800	0.433	0.447	0.434	0.436	0.405	0.343	0.333
750	0.528	0.536	0.546	0.527	0.474	0.430	0.421
700	0.707	0.685	0.719	0.709	0.632	0.559	0.557
650	0.952	0.949	1.006	0.967	0.895	0.823	0.694
600	1.351	1.300	1.456	1.399	1.311	1.246	1.031
550	2.015	1.931	2.104	2.074	1.991	1.986	1.596
500	3.015	2.944	3.187	3.210	3.141	3.300	2.601
450	4.533	4.551	5.029	5.076	4.904	5.318	4.460
400	7.070		7.878	7.880	7.761	8.184	7.153
350	10.858			11.973			10.848
300							
HEIGHT	SCALE HEIGHT, KM						
	220016	220052	220128	220204	220240	220320	220356
950	466.9	449.0	477.1	507.7	474.5	387.6	738.1
900	401.0	392.7	417.5	445.2	451.1	307.4	556.8
850	339.1	327.0	351.0	360.1	378.3	261.0	476.1
800	289.5	285.1	278.0	298.1	321.0	226.9	395.4
750	231.1	245.2	213.1	230.2	263.8	204.1	277.0
700	169.1	199.4	169.1	163.0	158.1	170.5	191.8
650	155.6	154.4	147.1	151.4	139.6	126.0	175.9
600	137.1	144.7	138.5	133.5	126.5	115.5	124.5
550	124.9	123.4	129.3	122.6	115.4	102.3	110.7
500	124.3	117.7	115.0	111.5	111.3	103.7	96.6
450	119.3	112.3	109.7	111.2	109.1	108.2	101.6
400	113.0		117.2	115.4	120.2	125.5	110.5
350	125.2			141.4			142.9
300							
LONG	-80.12	-79.92	-79.72	-79.51	-79.28	-79.03	-78.80
LAT	-8.97	-11.01	-13.04	-15.08	-17.11	-19.37	-21.40
QUAL	23	23	23	23	23	23	23

Table III. —Continued

PASS 623 AT SOLANT, 621113								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	220938	221034	221110	221146	221222	221342	221418	221454
1000	0.168	0.168	0.190	0.187	0.179	0.194	0.196	0.198
950	0.182	0.185	0.206	0.202	0.196	0.215	0.214	0.218
900	0.199	0.202	0.224	0.221	0.217	0.236	0.238	0.245
850	0.218	0.221	0.246	0.245	0.242	0.261	0.268	0.279
800	0.239	0.246	0.275	0.274	0.273	0.292	0.305	0.320
750	0.268	0.281	0.311	0.314	0.311	0.336	0.349	0.367
700	0.304	0.327	0.356	0.364	0.362	0.390	0.404	0.433
650	0.355	0.383	0.417	0.432	0.428	0.466	0.485	0.515
600	0.432	0.460	0.506	0.523	0.525	0.573	0.595	0.633
550	0.552	0.577	0.641	0.659	0.667	0.728	0.744	0.790
500	0.722	0.758	0.833	0.849	0.867	0.927	0.972	1.021
450	0.949	0.995	1.095	1.116	1.134	1.213	1.288	1.348
400	1.289	1.337	1.463	1.517	1.522	1.645	1.736	1.814
350	1.918	1.928	2.090	2.135	2.161	2.289	2.377	2.483
300	3.081	3.052	3.217	3.153	3.207	3.195	3.323	3.481
HEIGHT	SCALE HEIGHT, KM							
950	583.0	532.2	605.2	576.7	514.1	509.8	506.6	464.3
900	561.8	564.1	544.6	514.2	473.6	488.9	448.3	412.7
850	530.3	501.0	492.6	463.1	436.6	447.1	405.2	374.3
800	484.1	424.6	443.2	412.0	396.4	405.7	373.7	352.5
750	426.2	371.0	397.3	368.1	353.2	364.7	348.5	329.3
700	365.3	327.7	344.6	325.2	316.2	323.8	316.9	299.8
650	295.8	296.9	283.9	284.3	278.1	276.0	266.0	270.4
600	237.0	254.5	242.2	244.8	235.6	221.2	234.1	242.0
550	199.0	205.5	209.9	213.9	200.6	205.4	209.1	215.0
500	184.1	184.8	184.8	192.7	188.8	195.9	191.5	191.5
450	177.1	176.6	180.1	174.1	180.7	177.2	175.1	176.4
400	146.7	151.8	158.6	155.6	155.3	158.3	164.1	166.3
350	115.0	125.6	128.1	139.4	133.6	152.8	154.9	153.7
300	102.7	114.1	117.9	120.2	124.8	156.3	157.6	162.9
LONG	-75.74	-75.02	-74.50	-73.93	-73.30	-71.66	-70.77	-69.80
LAT	-40.00	-43.71	-45.70	-47.69	-49.67	-54.05	-56.00	-57.95
QUAL	23	22	23	23	22	32	31	22

Table III.—Continued

PASS 623 AT SOLANT, 621113								
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)								
HEIGHT	TIME (UT)							
	221531	221607	221643	221719	221755	221831	221908	221944
1000	0.185	0.197	0.200	0.210	0.207	0.205	0.213	0.232
950	0.208	0.219	0.226	0.236	0.231	0.229	0.238	0.260
900	0.232	0.243	0.255	0.265	0.260	0.256	0.267	0.290
850	0.263	0.275	0.289	0.301	0.296	0.291	0.305	0.327
800	0.302	0.314	0.331	0.345	0.340	0.335	0.351	0.372
750	0.352	0.364	0.383	0.401	0.392	0.389	0.407	0.426
700	0.415	0.423	0.447	0.467	0.459	0.457	0.474	0.498
650	0.498	0.508	0.531	0.558	0.551	0.546	0.575	0.599
600	0.615	0.618	0.655	0.682	0.683	0.674	0.702	0.728
550	0.779	0.787	0.817	0.851	0.857	0.844	0.883	0.915
500	1.010	1.016	1.057	1.094	1.105	1.093	1.127	1.172
450	1.326	1.348	1.402	1.442	1.469	1.442	1.483	1.536
400	1.785	1.816	1.878	1.923	1.975	1.929	1.967	2.042
350	2.463	2.504	2.573	2.589	2.677	2.609	2.634	2.693
300	3.480	3.492	3.517	3.494	3.580	3.458	3.432	3.489
HEIGHT	SCALE HEIGHT, KM							
	221531	221607	221643	221719	221755	221831	221908	221944
950	439.5	469.5	414.8	429.8	437.7	445.2	436.7	451.9
900	416.2	433.5	404.9	403.3	405.0	407.1	396.5	419.9
850	381.2	391.6	379.6	377.8	367.8	378.7	374.9	403.9
800	348.8	355.7	356.4	352.8	348.3	350.8	354.2	387.9
750	319.4	332.2	336.1	331.2	330.6	324.6	323.4	355.6
700	289.4	308.6	307.3	307.9	299.2	294.9	290.5	287.4
650	258.9	271.3	260.1	268.0	252.6	260.2	266.0	267.2
600	232.6	232.9	239.1	240.0	233.3	236.2	241.4	246.8
550	208.7	211.7	219.6	219.5	213.8	215.4	217.7	218.4
500	191.6	191.4	186.5	196.3	186.9	193.8	197.3	197.5
450	177.8	174.5	176.2	177.6	175.2	177.9	184.0	184.6
400	161.5	163.9	165.7	171.2	166.4	167.6	174.1	178.2
350	151.5	150.4	158.1	167.2	167.9	169.6	179.0	185.9
300	150.4	173.5	184.9	187.6	206.3	206.2	229.5	246.4
LONG	-68.62	-67.37	-65.87	-64.14	-62.22	-59.76	-56.94	-53.46
LAT	-59.94	-61.86	-63.76	-65.64	-67.50	-69.32	-71.15	-72.86
QUAL	22	22	22	22	22	22	21	22

Table III.—Continued

PASS 630 AT RESLUT, 621114						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	94909	94927	95003	95150	95228	95246
1000	0.065	0.076	0.056	0.009	0.013	0.016
950	0.074	0.089	0.065	0.011	0.016	0.019
900	0.087	0.105	0.074	0.014	0.021	0.023
850	0.106	0.122	0.084	0.018	0.026	0.027
800	0.124	0.143	0.096	0.022	0.033	0.033
750	0.144	0.167	0.112	0.028	0.042	0.042
700	0.166	0.195	0.129	0.037	0.054	0.053
650	0.189	0.227	0.149	0.050	0.070	0.070
600	0.216	0.267	0.175	0.068	0.092	0.094
550	0.251	0.319	0.210	0.097	0.127	0.129
500	0.301	0.389	0.263	0.139	0.172	0.188
450	0.384	0.499	0.346	0.209	0.246	0.280
400	0.540	0.674	0.488	0.331	0.358	0.445
350	0.803	1.004	0	0.577	0.558	0.746
300	1.409	1.660	1.342	1.033	0.871	1.288
HEIGHT	SCALE HEIGHT, KM					
	94909	94927	95003	95150	95228	95246
950	342.4	343.5	380.8	225.6	199.4	288.1
900	319.2	319.9	390.4	212.8	202.1	261.8
850	307.1	320.8	371.1	215.7	210.3	255.3
800	323.7	323.3	357.0	207.9	215.1	238.4
750	343.7	326.0	345.1	193.9	206.6	217.4
700	366.1	323.4	340.4	181.1	199.9	197.6
650	380.0	315.9	326.9	169.1	185.8	179.5
600	350.0	296.4	296.7	157.2	165.2	164.0
550	296.6	269.9	247.2	145.3	161.3	150.3
500	256.8	225.2	207.1	133.0	157.4	134.8
450	166.4	184.2	178.0	119.5	144.9	119.4
400	145.3	152.1	140.7	97.8	118.0	100.6
350	114.5	115.8	101.1	91.8	114.6	95.9
300	76.9	93.3	80.8	82.3	111.3	88.1
LONG	-9.52	-9.73	-11.09	-42.73	-50.67	-54.08
LAT	79.59	79.91	80.47	78.59	77.28	76.61
QUAL	33	33	33	33	33	33

Table III.—Continued

PASS 636 AT RESLUT, 621114			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	202417	202445	203027
1000	0.365	0.436	0.151
950	0.403	0.483	0.173
900	0.453	0.544	0.199
850	0.518	0.633	0.233
800	0.598	0.743	0.278
750	0.700	0.872	0.333
700	0.831	1.044	0.400
650	0.995	1.264	0.486
600	1.210	1.554	0.600
550	1.493	1.957	0.752
500	1.885	2.526	0.979
450	2.443	3.217	1.335
400	3.151	3.827	1.907
350			2.841
300			4.160
HEIGHT	SCALE HEIGHT, KM		
950	459.7	443.9	353.2
900	404.7	375.9	330.5
850	355.4	337.8	301.1
800	334.0	313.5	286.6
750	308.5	295.9	275.0
700	284.2	267.6	264.8
650	267.8	254.8	246.8
600	250.3	231.9	227.8
550	227.5	205.2	207.5
500	204.9	198.2	179.6
450	196.1	241.7	153.2
400	222.1	366.4	133.2
350			125.3
300			149.7
LONG	-127.83	-120.18	-80.77
LAT	79.67	79.00	72.56
QUAL	31	32	33

Table III. —Continued

PASS 636 AT AGASTA, 621114						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	205419	205455	205532	205608	205644	205720
1000	0.309	0.337	0.338	0.284	0.330	0.313
950	0.329	0.361	0.361	0.300	0.355	0.342
900	0.353	0.390	0.389	0.320	0.387	0.375
850	0.391	0.429	0.427	0.351	0.429	0.421
800	0.445	0.483	0.477	0.392	0.484	0.481
750	0.511	0.570	0.536	0.466	0.556	0.556
700	0.639	0.702	0.666	0.581	0.672	0.657
650	0.833	0.889	0.854	0.745	0.859	0.833
600	1.092	1.192	1.081	0.967	1.119	1.083
550	1.608	1.720	1.550	1.322	1.495	1.474
500	2.591	2.742	2.355	2.025	2.083	2.113
450	4.427	4.407	3.776	3.215	3.081	3.136
400	7.556	7.312	6.327	5.266	4.871	4.800
350	12.537	11.853	10.261	8.541	8.003	7.623
300				12.845	12.684	12.042
HEIGHT	SCALE HEIGHT, KM					
	752.7	712.6	746.4	842.2	606.6	577.1
950	752.7	712.6	746.4	842.2	606.6	577.1
900	616.5	582.6	570.0	610.0	523.3	483.0
850	414.9	475.3	489.0	506.0	461.8	413.0
800	353.6	374.5	422.7	401.6	394.1	358.8
750	301.9	283.9	356.3	291.8	321.0	316.5
700	232.0	233.5	263.8	212.4	232.3	271.4
650	181.6	195.2	197.6	196.3	202.2	217.0
600	160.8	162.3	176.8	177.0	183.8	180.4
550	122.1	119.9	138.6	142.8	164.1	152.8
500	98.6	106.9	111.9	107.9	139.8	132.7
450	94.8	106.6	103.5	106.2	117.0	122.2
400	93.6	96.1	96.7	105.9	107.5	113.4
350	120.6	144.7	111.1	100.5	101.6	105.2
300				174.8	143.6	129.2
LONG	-64.19	-63.97	-63.73	63.48	-63.23	-62.96
LAT	-16.45	-18.49	-20.58	-22.61	-24.64	-26.67
QUAL	23	23	23	23	23	23

Table III.—Continued

PASS 636 AT AGASTA, 621114			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	210021	210057	210134
1000	0.308	0.345	0.293
950	0.326	0.359	0.315
900	0.352	0.384	0.345
850	0.422	0.418	0.388
800	0.490	0.481	0.442
750	0.549	0.570	0.505
700	0.601	0.684	0.578
650	0.757	0.824	0.706
600	1.027	1.056	0.917
550	1.295	1.392	1.209
500	1.833	1.907	1.670
450	2.761	2.842	2.478
400	4.401	4.322	3.784
350	7.243	6.828	6.064
300	11.275	10.339	9.012
HEIGHT	SCALE HEIGHT, KM		
950	736.1	883.3	596.3
900	515.1	700.6	491.5
850	372.9	517.9	421.7
800	344.6	415.0	372.3
750	333.5	331.1	340.8
700	322.5	272.0	309.4
650	241.7	234.3	253.4
600	178.5	202.2	187.6
550	178.5	173.6	170.9
500	135.2	143.2	144.1
450	113.7	126.6	121.9
400	105.0	109.7	115.1
350	100.5	113.4	106.2
300	138.1	205.0	176.3
LONG	-61.35	-60.96	-60.52
LAT	-36.82	-38.83	-40.89
QUAL	23	23	22

Table III.—Continued

PASS 636 AT SULANT, 621114							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	205756	205833	205909	205945	210359	210435	210512
1000	0.260	0.257	0.252	0.251	0.245	0.258	0.252
950	0.280	0.278	0.274	0.271	0.272	0.284	0.281
900	0.306	0.302	0.299	0.297	0.302	0.316	0.315
850	0.348	0.333	0.329	0.330	0.339	0.356	0.356
800	0.403	0.376	0.371	0.376	0.386	0.411	0.406
750	0.465	0.450	0.438	0.434	0.447	0.478	0.468
700	0.537	0.542	0.529	0.511	0.524	0.567	0.552
650	0.660	0.663	0.651	0.625	0.634	0.673	0.676
600	0.887	0.879	0.857	0.807	0.784	0.850	0.841
550	1.192	1.191	1.184	1.102	1.013	1.089	1.076
500	1.715	1.684	1.683	1.546	1.332	1.423	1.411
450	2.551	2.477	2.451	2.304	1.791	1.911	1.899
400	4.018	3.953	3.917	3.570	2.498	2.633	2.611
350	6.434	6.346	6.397	5.941	3.583	3.742	3.670
300	9.971	10.004	10.167	9.797	5.260	5.374	5.146
HEIGHT	SCALE HEIGHT, KM						
	599.2	626.0	574.5	565.0	475.5	488.4	442.2
950	599.2	626.0	574.5	565.0	475.5	488.4	442.2
900	481.2	535.7	515.4	493.7	444.8	432.8	416.6
850	397.4	459.9	452.1	436.8	408.1	389.1	389.6
800	338.8	383.0	384.3	390.6	364.3	355.9	367.8
750	312.6	303.7	310.1	333.6	326.8	322.8	339.0
700	286.4	252.0	255.3	275.7	291.9	289.2	265.8
650	235.4	216.2	218.2	233.4	256.6	255.8	244.5
600	167.4	187.3	181.3	181.9	221.1	225.0	223.0
550	155.1	158.8	150.0	151.6	198.0	197.8	200.3
500	136.6	139.0	140.4	139.3	179.0	178.7	180.1
450	120.0	119.6	120.5	120.5	162.7	165.1	163.2
400	105.0	103.8	103.9	105.3	145.9	151.1	154.8
350	107.0	106.2	102.9	96.3	132.6	137.2	145.4
300	124.0	124.1	120.4	107.3	139.8	151.3	177.7
LONG	-62.68	-62.37	-62.05	-61.71	-58.40	-57.71	-56.96
LAT	-28.69	-30.77	-32.79	-34.81	-48.92	-50.90	-52.92
QUAL	33	33	33	33	32	31	32

Table III.—Continued

PASS 636 AT SULANT, 621114								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	210548	210624	210700	210736	210813	210849	210925	211001
1000	0.261	0.270	0.277	0.278	0.285	0.290	0.296	0.300
950	0.288	0.299	0.307	0.310	0.315	0.321	0.331	0.339
900	0.322	0.336	0.343	0.348	0.353	0.359	0.378	0.384
850	0.361	0.378	0.388	0.395	0.398	0.404	0.429	0.436
800	0.415	0.436	0.450	0.454	0.459	0.467	0.489	0.499
750	0.463	0.507	0.526	0.527	0.536	0.546	0.567	0.582
700	0.573	0.602	0.617	0.615	0.632	0.647	0.668	0.689
650	0.693	0.717	0.738	0.738	0.758	0.786	0.813	0.837
600	0.860	0.897	0.919	0.914	0.941	1.003	0.997	1.029
550	1.105	1.155	1.174	1.170	1.195	1.280	1.261	1.326
500	1.453	1.514	1.530	1.526	1.551	1.643	1.650	1.728
450	1.946	2.007	2.018	2.024	2.035	2.163	2.185	2.302
400	2.643	2.689	2.709	2.724	2.723	2.884	2.902	3.065
350	3.596	3.622	3.646	3.640	3.659	3.784	3.764	3.971
300	4.860	4.717	4.587	4.568	4.547	4.555	4.546	4.756
HEIGHT	SCALE HEIGHT, KM							
	467.1	442.3	453.0	443.5	454.5	451.7	422.9	415.9
950	467.1	442.3	453.0	443.5	454.5	451.7	422.9	415.9
900	431.0	412.2	413.5	407.2	421.1	421.2	397.5	395.1
850	399.7	383.5	375.5	378.7	389.6	388.5	377.6	375.5
800	353.8	350.5	350.9	355.0	347.4	343.7	354.1	344.3
750	311.8	317.4	326.4	329.1	309.6	303.5	319.1	312.5
700	282.3	288.4	291.6	301.5	285.5	269.3	286.8	280.6
650	251.5	259.7	258.3	260.6	259.6	243.2	261.9	251.8
600	219.1	219.4	227.6	219.9	230.3	231.1	236.1	223.8
550	195.7	195.1	194.9	196.6	205.7	219.0	202.2	204.6
500	180.4	182.9	186.2	185.0	189.7	196.9	185.5	183.2
450	166.0	174.2	175.3	168.8	179.8	178.8	178.7	176.3
400	165.7	170.1	169.1	171.1	169.1	179.5	182.5	181.3
350	160.1	172.3	191.9	186.4	191.3	210.0	215.9	225.8
300	164.7	254.9	261.5	299.0	371.6	324.5	427.6	466.2
LONG	-56.13	-55.20	-54.20	-52.97	-51.59	-50.03	-48.16	-46.14
LAT	-54.89	-56.84	-58.78	-60.71	-62.67	-64.57	-66.43	-68.28
QUAL	32	21	21	32	21	21	21	21

Table III.—Continued

PASS 636 AT SOLANT, 621114			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	211037	211113	211151
1000	0.298	0.298	0.354
950	0.338	0.339	0.399
900	0.384	0.388	0.453
850	0.438	0.444	0.519
800	0.507	0.512	0.604
750	0.595	0.603	0.708
700	0.705	0.718	0.840
650	0.802	0.876	1.019
600	1.072	1.095	1.274
550	1.379	1.415	1.630
500	1.819	1.878	2.132
450	2.446	2.543	2.835
400	3.256	3.444	3.813
350	4.255	4.571	5.012
300	5.008	5.542	
HEIGHT	SCALE HEIGHT, KM		
	389.1	373.3	401.9
950	389.1	373.3	401.9
900	375.7	367.6	373.7
850	356.4	352.1	350.0
800	330.2	321.8	329.8
750	302.2	298.2	307.5
700	272.8	275.8	281.1
650	244.6	243.8	242.7
600	217.4	211.1	216.0
550	193.2	191.6	197.1
500	176.7	170.8	182.3
450	173.0	168.4	171.7
400	180.2	167.8	174.4
350	226.6	211.8	206.6
300	487.3	383.1	
LONG	-43.47	-40.45	-36.59
LAT	-70.07	-71.83	-73.62
QUAL	22	32	33

Table III.—Continued

PASS 650 AT RESLUT, 621115								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	210134	210257	210303	210323	210341	210359	210436	210531
1000	0.147	0.069	0.057	0.054	0.070	0.079	0.277	0.254
950	0.156	0.072	0.062	0.058	0.073	0.085	0.308	0.288
900	0.167	0.080	0.068	0.061	0.078	0.095	0.350	0.329
850	0.162	0.096	0.074	0.067	0.087	0.109	0.402	0.375
800	0.199	0.113	0.083	0.075	0.100	0.125	0.464	0.421
750	0.218	0.125	0.094	0.086	0.114	0.144	0.543	0.482
700	0.241	0.137	0.108	0.101	0.132	0.169	0.644	0.559
650	0.268	0.163	0.130	0.124	0.160	0.202	0.768	0.676
600	0.305	0.201	0.160	0.155	0.199	0.247	0.944	0.829
550	0.351	0.245	0.199	0.201	0.250	0.306	1.162	1.006
500	0.421	0.299	0.253	0.262	0.317	0.380	1.417	1.232
450	0.514	0.361	0.321	0.334	0.394	0.468	1.670	1.512
400	0.640	0.434	0.397	0.410	0.480			
350	0.814			0.482	0.551			
300	1.091							
HEIGHT	SCALE HEIGHT, KM							
	777.2	862.2	570.5	809.0	896.7	558.6	424.3	388.9
950	777.2	862.2	570.5	809.0	896.7	558.6	424.3	388.9
900	659.9	677.3	555.4	702.4	611.4	432.7	384.6	382.4
850	584.6	465.5	509.2	540.4	517.3	366.4	360.2	408.0
800	549.8	392.1	440.6	415.9	423.3	354.8	327.8	386.3
750	518.2	384.7	383.9	346.2	368.2	340.3	306.8	347.2
700	476.2	377.4	321.4	270.9	293.6	300.3	286.9	307.1
650	433.0	302.8	263.1	236.6	249.0	269.4	266.6	283.4
600	376.0	249.5	238.3	207.1	227.0	245.1	243.6	262.4
550	315.0	253.2	219.0	191.5	220.1	240.5	255.9	249.3
500	281.7	261.2	211.0	197.9	220.9	240.3	282.0	249.8
450	250.8	269.6	224.0	225.2	243.8	256.6	361.9	267.8
400	223.5	276.1	255.8	263.5	290.4			
350	192.7			554.3	459.2			
300	159.7							
LONG	-140.96	-120.15	-113.99	-115.77	-112.88	-109.98	-105.74	-100.48
LAT	79.76	77.47	77.25	76.43	75.70	74.97	73.27	70.65
QUAL	33	33	33	32	32	33	32	32

Table III.—Continued

PASS 650 AT AGASTA, 621115								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	213126	213142	213236	213312	213349	213425	213501	213537
1000	0.361	0.363	0.376	0.381	0.330	0.327	0.327	0.320
950	0.402	0.408	0.417	0.421	0.370	0.365	0.361	0.353
900	0.456	0.464	0.470	0.472	0.421	0.413	0.404	0.395
850	0.525	0.535	0.537	0.542	0.483	0.475	0.462	0.447
800	0.626	0.640	0.642	0.648	0.575	0.568	0.553	0.529
750	0.777	0.805	0.789	0.806	0.702	0.699	0.682	0.644
700	1.038	1.047	0.992	1.033	0.905	0.886	0.853	0.804
650	1.515	1.509	1.337	1.397	1.215	1.197	1.128	1.033
600	2.361	2.370	1.994	2.016	1.726	1.671	1.590	1.416
550	3.834	3.832	3.132	3.103	2.621	2.480	2.318	2.021
500	6.367	6.249	4.987	4.842	4.092	3.756	3.430	3.063
450	10.296	10.309	8.220	7.541	6.354	5.683	5.220	4.718
400			12.962	11.779	9.614	8.546	7.863	7.132
350						12.244	11.223	10.468
300								
HEIGHT	SCALE HEIGHT, KM							
950	431.0	411.0	436.5	457.8	404.4	417.4	465.1	454.8
900	373.8	366.0	386.4	392.5	362.0	368.8	399.4	407.0
850	319.7	316.7	338.0	327.5	325.0	323.1	334.4	359.7
800	264.7	243.5	264.4	260.1	279.1	274.9	270.1	293.9
750	210.3	211.1	231.1	224.2	230.0	230.8	234.0	241.7
700	159.9	173.6	198.8	189.1	193.7	191.8	208.9	217.6
650	124.4	126.5	150.8	154.3	155.1	159.3	170.3	186.7
600	108.9	104.6	116.7	125.9	133.6	141.5	139.1	152.0
550	98.9	104.7	110.0	112.9	115.2	123.4	131.4	129.9
500	99.0	98.0	102.7	113.6	115.2	121.4	121.5	117.1
450	121.4	117.8	102.1	109.3	115.1	120.6	118.2	118.0
400			132.2	126.3	119.7	123.0	130.0	125.3
350						174.1	169.0	151.9
300								
LONG	-75.66	-75.57	-75.23	-74.99	-74.74	-74.47	-74.20	-73.91
LAT	-15.58	-16.48	-19.53	-21.57	-23.66	-25.69	-27.72	-29.74
QUAL	23	33	33	33	23	23	23	23

Table III.—Continued

PASS 650 AT AGASTA, 621115								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	213613	213649	213726	213802	213838	213932	214028	214103
1000	0.319	0.306	0.312	0.297	0.312	0.332	0.322	0.325
950	0.350	0.338	0.345	0.326	0.339	0.359	0.353	0.352
900	0.389	0.379	0.384	0.363	0.373	0.392	0.389	0.387
850	0.440	0.428	0.435	0.414	0.425	0.444	0.436	0.435
800	0.518	0.500	0.513	0.489	0.495	0.515	0.496	0.499
750	0.624	0.597	0.616	0.588	0.583	0.606	0.579	0.584
700	0.773	0.732	0.749	0.713	0.710	0.721	0.701	0.701
650	0.982	0.911	0.926	0.894	0.901	0.859	0.880	0.886
600	1.334	1.218	1.257	1.202	1.179	1.122	1.111	1.141
550	1.891	1.721	1.760	1.677	1.613	1.495	1.469	1.462
500	2.790	2.500	2.564	2.415	2.285	2.034	1.964	1.971
450	4.284	3.764	3.912	3.605	3.328	2.922	2.706	2.692
400	6.689	5.706	5.941	5.383	5.002	4.195	3.832	3.755
350	9.813	8.521	8.623	7.799	7.339	5.894	5.436	5.276
300						7.344		
HEIGHT	SCALE HEIGHT, KM							
	479.9	457.9	480.3	477.6	548.8	571.4	532.7	570.7
950	479.9	457.9	480.3	477.6	548.8	571.4	532.7	570.7
900	421.9	410.5	419.8	412.8	448.1	462.2	477.3	482.0
850	363.9	370.6	361.4	354.9	378.0	403.7	411.0	403.8
800	306.2	314.6	308.6	303.3	320.8	347.3	346.0	337.7
750	257.8	263.4	266.4	266.6	282.6	305.8	287.7	287.5
700	228.4	237.3	240.4	240.5	242.3	276.0	251.1	241.1
650	194.1	208.1	209.8	205.7	201.3	245.8	230.7	222.9
600	155.3	161.5	158.5	161.8	175.9	195.3	210.3	209.6
550	137.2	143.3	143.3	145.9	154.8	171.5	187.0	196.2
500	125.3	127.7	127.7	131.8	138.5	150.5	165.3	176.3
450	113.2	122.9	117.8	125.5	126.4	135.9	153.3	157.0
400	119.8	118.2	123.4	122.5	126.0	143.4	143.7	150.1
350	142.0	134.8	149.3	157.4	156.0	169.0	162.3	162.4
300						527.8		
LONG	-73.60	-73.27	-72.90	-72.53	-72.11	-71.43	-70.63	-70.09
LAT	-31.76	-33.78	-35.85	-37.86	-39.87	-42.88	-45.98	-46.91
QUAL	23	23	33	33	33	32	21	22

Table III.—Continued

PASS 650 AT SOLANT, 621115								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	213613	213648	213726	213802	213838	213914	213950	214246
1000	0.300	0.297	0.276	0.290	0.307	0.311	0.317	0.303
950	0.332	0.330	0.309	0.320	0.332	0.343	0.346	0.329
900	0.373	0.370	0.347	0.358	0.364	0.381	0.383	0.363
850	0.423	0.423	0.400	0.414	0.405	0.426	0.433	0.410
800	0.500	0.492	0.466	0.489	0.473	0.482	0.496	0.469
750	0.606	0.600	0.559	0.588	0.562	0.566	0.575	0.539
700	0.762	0.745	0.689	0.717	0.674	0.685	0.699	0.650
650	0.969	0.964	0.884	0.917	0.845	0.851	0.873	0.801
600	1.331	1.287	1.160	1.222	1.121	1.102	1.108	0.994
550	1.899	1.788	1.612	1.672	1.523	1.493	1.476	1.269
500	2.858	2.636	2.331	2.403	2.139	2.085	2.017	1.664
450	4.426	4.039	3.548	3.527	3.114	2.994	2.835	2.213
400	6.818	6.293	5.433	5.238	4.640	4.388	4.010	2.980
350	9.976	9.300	8.020	7.611	6.886	6.310	5.598	3.935
300							7.321	
HEIGHT	SCALE HEIGHT, KM							
	440.6	451.0	427.1	451.5	565.8	488.7	543.4	541.3
950	440.6	451.0	427.1	451.5	565.8	488.7	543.4	541.3
900	393.2	387.6	372.5	377.0	493.8	450.4	451.0	459.7
850	351.5	344.5	341.6	338.3	419.2	407.8	409.0	398.7
800	296.0	301.4	310.8	303.7	307.2	363.6	359.1	354.1
750	242.8	257.5	265.8	268.5	272.0	306.7	297.5	314.3
700	219.1	217.3	221.9	232.6	247.6	248.3	248.4	271.0
650	191.2	191.7	201.2	200.3	217.0	216.8	218.4	237.3
600	150.0	165.7	173.3	171.3	180.0	185.5	197.3	222.1
550	132.9	143.2	145.5	150.9	157.7	160.3	170.8	196.4
500	118.8	120.3	126.0	135.2	140.8	142.0	154.4	182.0
450	114.7	117.5	117.9	128.1	128.2	136.3	144.4	169.3
400	118.9	117.7	119.1	125.7	122.7	134.1	150.1	174.5
350	151.6	137.8	135.6	149.9	139.5	160.5	159.4	185.2
300							545.3	
LONG	-73.60	-73.28	-72.90	-72.53	-72.11	-71.67	-71.19	-68.08
LAT	-31.76	-33.73	-35.85	-37.86	-39.87	-41.88	-43.87	-53.56
QUAL	33	33	33	33	33	33	32	33

Table III.—Continued

PASS 650 AT SULANT, 621115								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	214304	214340	214416	214454	214530	214606	214642	214718
1000	0.308	0.306	0.312	0.331	0.375	0.403	0.416	0.446
950	0.341	0.343	0.346	0.374	0.416	0.448	0.468	0.500
900	0.379	0.386	0.388	0.421	0.465	0.502	0.527	0.559
850	0.426	0.437	0.442	0.479	0.528	0.573	0.604	0.629
800	0.487	0.504	0.511	0.552	0.608	0.663	0.701	0.722
750	0.569	0.590	0.595	0.645	0.706	0.774	0.818	0.839
700	0.674	0.701	0.711	0.762	0.841	0.927	0.971	0.989
650	0.818	0.859	0.860	0.918	1.015	1.133	1.173	1.184
600	1.009	1.077	1.068	1.126	1.251	1.394	1.448	1.436
550	1.288	1.357	1.338	1.411	1.562	1.725	1.815	1.769
500	1.663	1.712	1.686	1.780	1.958	2.165	2.294	2.217
450	2.156	2.181	2.146	2.256	2.442	2.728	2.897	2.792
400	2.851	2.824	2.731	2.841	2.995	3.298	3.584	3.474
350	3.779	3.616	3.393	3.452	3.418			4.137
300	4.694	4.340	3.987					
HEIGHT	SCALE HEIGHT, KM							
	471.1	422.6	447.8	414.4	462.3	445.9	420.8	446.0
950	471.1	422.6	447.8	414.4	462.3	445.9	420.8	446.0
900	439.8	401.4	409.9	393.8	424.7	411.2	387.9	426.3
850	399.8	380.1	373.7	369.2	367.8	351.1	356.2	393.4
800	347.7	340.2	337.3	344.0	335.5	329.8	330.3	352.2
750	313.3	302.7	299.6	312.4	312.4	310.5	310.4	319.7
700	284.6	270.0	275.9	283.2	285.6	265.7	282.2	291.9
650	255.6	244.4	253.5	262.5	258.1	242.2	252.9	268.4
600	226.3	223.1	230.5	239.0	234.0	238.5	230.9	252.7
550	200.8	218.9	221.0	220.2	226.8	228.3	218.1	233.7
500	197.0	211.6	213.6	214.5	223.1	221.8	214.7	221.2
450	184.2	201.1	208.7	214.2	234.4	236.0	222.1	224.6
400	179.2	196.6	219.6	232.2	295.8	364.3	305.3	242.3
350	199.5	238.6	263.7	315.9	573.3			432.0
300	278.0	300.1	405.8					
LONG	-67.68	-66.75	-65.73	-64.53	-63.15	-61.67	-59.84	-57.73
LAT	-54.55	-56.50	-58.45	-60.49	-62.40	-64.30	-66.17	-68.02
QUAL	33	33	33	32	21	21	21	32

Table III. —Continued

PASS 650 AT SOLANT, 621115	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	214754
1000	0.479
950	0.529
900	0.593
850	0.678
800	0.783
750	0.902
700	1.067
650	1.286
600	1.570
550	1.944
500	2.456
450	3.070
400	3.781
350	4.442
300	
HEIGHT	SCALE HEIGHT, KM
950	457.5
900	409.9
850	376.2
800	348.6
750	325.6
700	284.4
650	262.0
600	243.8
550	226.1
500	221.6
450	231.3
400	263.5
350	714.3
300	
LONG	-55.34
LAT	-69.83
QUAL	32

Table III. —Continued

PASS 656 AT SOLANT, 621116							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	83355	83429	83505	83620	83646	83708	83730
1000	0.277	0.253	0.234	0.217	0.217	0.196	0.208
950	0.319	0.291	0.269	0.256	0.240	0.234	0.249
900	0.373	0.334	0.313	0.305	0.272	0.283	0.301
850	0.433	0.388	0.367	0.369	0.351	0.350	0.366
800	0.509	0.458	0.437	0.455	0.445	0.446	0.460
750	0.598	0.546	0.529	0.575	0.553	0.584	0.595
700	0.705	0.662	0.656	0.746	0.742	0.786	0.798
650	0.838	0.821	0.841	0.994	0.996	1.083	1.089
600	1.040	1.023	1.107	1.323	1.345	1.496	1.485
550	1.300	1.299	1.455	1.805	1.870	2.088	2.070
500	1.631	1.638	1.888	2.436	2.594		2.951
450	2.035		2.385		3.391		
400	2.473						
350	2.885						
300							
HEIGHT	SCALE HEIGHT, KM						
	355.9	361.0	348.4	297.5	432.9	274.5	274.9
950	355.9	361.0	348.4	297.5	432.9	274.5	274.9
900	333.8	345.0	323.5	276.1	314.6	247.9	256.2
850	320.2	320.7	306.2	253.6	234.6	223.4	236.0
800	313.7	293.9	273.0	224.9	210.7	197.3	212.4
750	304.1	265.9	240.4	200.6	200.3	175.8	182.2
700	282.9	243.3	219.2	186.8	168.6	165.6	167.9
650	256.0	235.0	201.8	178.2	166.6	159.3	161.3
600	244.7	226.9	187.5	171.1	161.9	154.6	158.5
550	233.3	221.9	192.2	168.0	153.8	150.3	146.3
500	235.7	220.1	206.0	178.7	169.8		157.3
450	243.9		279.5		257.6		
400	283.1						
350	393.8						
300							
LONG	-83.76	-82.52	-81.29	-79.26	-78.65	-78.16	-77.73
LAT	-02.07	-60.86	-58.94	-54.89	-53.48	-52.28	-51.08
QUAL	32	33	22	23	22	23	23

Table III.—Continued

PASS 656 AT SOLANT, 621116						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	83845	83957	84050	84128	84204	84240
1000	0.207	0.212	0.212	0.191	0.197	0.228
950	0.250	0.246	0.243	0.219	0.224	0.250
900	0.308	0.295	0.284	0.258	0.269	0.288
850	0.376	0.365	0.347	0.310	0.328	0.356
800	0.479	0.460	0.443	0.396	0.401	0.432
750	0.629	0.607	0.577	0.542	0.527	0.560
700	0.851	0.824	0.794	0.732	0.711	0.748
650	1.174	1.114	1.113	1.002	0.988	1.030
600	1.643	1.562	1.597	1.448	1.423	1.468
550	2.313	2.215	2.307	2.097	2.093	2.132
500	3.309		3.311	2.946	3.124	3.176
450	4.661		4.801	3.985	4.600	4.674
400			6.660	5.363		6.536
350						
300						
HEIGHT	SCALE HEIGHT, KM					
	950	900	850	800	750	700
950	261.6	302.9	354.6	320.3	332.5	457.0
900	241.6	254.7	285.6	276.3	270.4	319.7
850	229.6	224.5	233.3	243.8	243.4	239.1
800	201.9	201.0	199.2	203.7	221.3	223.0
750	176.7	172.3	172.2	162.5	181.5	185.1
700	160.5	165.3	158.5	158.2	161.7	167.2
650	152.9	161.6	147.7	151.5	145.4	152.3
600	150.2	149.9	141.7	140.1	134.8	139.7
550	144.1	149.3	139.8	145.3	128.8	131.5
500	144.5		138.3	157.7	125.5	127.2
450	164.8		136.3	167.6	138.1	138.5
400			263.3	170.4		168.3
350						
300						
LONG	-76.41	-75.35	-74.69	-74.27	-73.88	-73.53
LAT	-46.96	-43.00	-40.06	-37.96	-35.96	-33.96
QUAL	23	23	23	23	33	23

Table III.—Continued

PASS 656 AT AGASTA, 621116		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	84419	85327
1000	0.202	0.148
950	0.224	0.156
900	0.253	0.166
850	0.288	0.183
800	0.337	0.207
750	0.409	0.242
700	0.519	0.291
650	0.685	0.386
600	0.900	0.540
550	1.212	0.892
500	1.669	1.532
450	2.234	2.743
400		4.799
350		
300		
HEIGHT	SCALE HEIGHT, KM	
	84419	85327
950	455.0	1018.8
900	399.3	633.2
850	343.6	449.3
800	284.6	370.6
750	235.6	312.6
700	207.6	208.7
650	197.2	164.9
600	186.7	121.9
550	175.2	103.4
500	165.9	92.0
450	176.1	88.9
400		95.6
350		
300		
LONG	-72.54	-69.40
LAT	-28.45	-2.25
QUAL	33	33

Table III. —Continued

PASS 656 AT QUITOE, 621116				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	85245	85419	85607	85643
1000	0.122	0.129	0.128	0.133
950	0.130	0.134	0.130	0.138
900	0.140	0.141	0.139	0.145
850	0.152	0.148	0.142	0.150
800	0.167	0.158	0.148	0.159
750	0.193	0.170	0.159	0.168
700	0.235	0.189	0.173	0.181
650	0.300	0.219	0.199	0.202
600	0.425	0.281	0.235	0.237
550	0.709	0.397	0.308	0.302
500		0.637	0.452	0.429
450		1.024	0.701	0.679
400		1.662	1.034	0.996
350				
300				
HEIGHT	SCALE HEIGHT, KM			
	85245	85419	85607	85643
950	765.2	1319.5	3258.4	1261.1
900	635.4	1050.1	2112.9	1224.5
850	549.4	908.8	1701.4	1121.9
800	437.0	713.2	1176.2	888.1
750	307.1	577.6	695.4	768.3
700	249.3	417.6	495.3	595.4
650	184.6	255.0	343.1	399.6
600	126.1	192.5	249.3	264.9
550	86.0	120.9	160.5	179.9
500		104.9	117.7	125.8
450		102.2	121.9	113.9
400		135.0	147.5	153.2
350				
300				
LONG	-69.62	-69.13	-68.54	-68.34
LAT	-0.11	5.17	11.23	13.26
QUAL	33	22	22	32

Table III.—Continued

PASS 670 AT QUITOE, 621117			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	93502	93650	
1000	0.098	0.107	
950	0.102	0.112	
900	0.104	0.116	
850	0.107	0.121	
800	0.110	0.126	
750	0.114	0.132	
700	0.120	0.139	
650	0.132	0.152	
600	0.150	0.185	
550	0.179	0.271	
500	0.230	0.345	
450	0.328	0.569	
400	0.504	0.908	
350	0.766	1.295	
300			
HEIGHT	SCALE HEIGHT, KM		
950	1943.6	1474.3	
900	2163.8	1352.9	
850	1792.2	1172.6	
800	1407.0	1102.0	
750	1158.9	968.0	
700	910.8	774.3	
650	621.9	441.7	
600	352.0	194.7	
550	242.5	158.9	
500	178.4	148.2	
450	121.8	105.3	
400	115.4	120.3	
350	142.9	187.8	
300			
LONG	-79.37	-78.68	
LAT	16.41	22.45	
QUAL	23	32	

Table III. —Continued

PASS 671 AT RESLUT, 621117							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	95116	95134	95150	95208	95304	95658	95736
1000	0.085	0.074	0.087	0.063	0.045	0.014	0.037
950	0.091	0.080	0.094	0.070	0.050	0.018	0.043
900	0.099	0.090	0.100	0.077	0.061	0.023	0.048
850	0.114	0.104	0.124	0.088	0.073	0.028	0.055
800	0.128	0.117	0.145	0.099	0.087	0.035	0.063
750	0.142	0.130	0.159	0.113	0.103	0.045	0.075
700	0.162	0.143	0.177	0.128	0.131	0.057	0.090
650	0.192	0.157	0.213	0.145	0.167	0.075	0.106
600	0.229	0.177	0.251	0.170	0.211	0.102	0.125
550	0.275	0.207	0.292	0.207	0.272	0.140	0.153
500	0.328	0.252	0.350	0.259	0.350	0.196	0.192
450	0.405	0.324	0.425	0.327	0.465	0.274	0.252
400	0.503	0.424	0.526	0.416	0.615	0.375	0.340
350	0.640		0.661	0.532	0.770	0.511	0.497
300	0.824		0.843	0.684		0.711	0.787
HEIGHT	SCALE HEIGHT, KM						
	95116	95134	95150	95208	95304	95658	95736
950	616.6	514.2	681.3	498.8	347.2	191.8	374.7
900	502.5	427.9	515.5	448.8	286.8	215.6	386.2
850	420.8	406.5	332.8	402.1	266.4	228.9	360.2
800	403.3	452.9	346.3	404.9	258.1	220.7	334.2
750	390.1	501.6	365.0	407.7	249.5	207.5	308.1
700	361.8	505.0	354.7	404.8	236.7	195.4	288.2
650	323.5	460.1	310.8	374.6	223.9	173.0	282.4
600	288.4	376.0	301.6	274.2	211.4	162.5	276.6
550	275.1	293.6	300.2	236.4	201.3	158.7	240.9
500	261.7	231.3	273.0	220.4	190.0	149.3	202.2
450	241.8	189.0	248.1	212.7	179.1	155.0	176.1
400	221.6	218.0	227.7	205.4	200.2	160.0	155.9
350	207.4		217.5	202.1	252.2	157.6	120.4
300	195.3		234.2	193.7		148.3	112.2
LONG	-59.36	-57.95	-56.69	-55.04	-48.79	-10.46	-21.49
LAT	69.63	70.52	71.31	72.17	74.75	80.41	79.80
QUAL	33	33	33	33	33	33	23

Table III.—Continued

PASS 677 AT RESLUT, 621117								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	203102	203120	203138	203156	203214	203232	203309	203327
1000	0.182	0.126	0.109	0.159	0.113	0.113	0.106	0.097
950	0.198	0.140	0.125	0.174	0.126	0.128	0.119	0.110
900	0.222	0.159	0.143	0.192	0.144	0.143	0.137	0.126
850	0.261	0.180	0.166	0.216	0.165	0.161	0.159	0.145
800	0.304	0.204	0.195	0.248	0.189	0.184	0.187	0.169
750	0.346	0.239	0.233	0.286	0.228	0.212	0.222	0.201
700	0.391	0.283	0.283	0.329	0.277	0.248	0.265	0.241
650	0.459	0.341	0.345	0.395	0.337	0.294	0.319	0.299
600	0.557	0.414	0.435	0.489	0.413	0.357	0.394	0.373
550	0.690	0.516	0.567	0.609	0.521	0.460	0.492	0.482
500	0.872	0.641	0.749	0.756	0.656	0.619	0.633	0.623
450	1.122	0.823	1.018	0.956	0.869	0.863	0.821	0.823
400	1.466	1.054	1.417	1.239	1.150	1.150	1.095	1.123
350			1.899		1.501	1.483	1.449	1.526
300			2.431					1.944
HEIGHT	SCALE HEIGHT, KM							
	498.9	427.7	356.0	529.3	413.3	431.5	389.4	374.3
950	498.9	427.7	356.0	529.3	413.3	431.5	389.4	374.3
900	399.3	396.7	343.6	458.1	361.0	425.6	347.8	352.0
850	356.4	373.9	326.2	395.9	331.9	398.6	320.8	331.0
800	343.2	349.9	293.8	351.8	302.8	366.5	309.2	312.7
750	344.3	320.5	268.7	330.9	288.7	334.4	280.4	282.5
700	345.5	291.0	256.7	310.0	274.8	308.5	266.2	248.5
650	292.3	266.8	244.6	279.1	260.8	285.0	255.5	232.2
600	246.9	243.7	201.4	242.6	244.7	225.5	236.7	215.9
550	230.4	231.8	186.8	229.2	223.0	183.9	214.4	204.5
500	208.8	219.8	176.4	223.6	201.9	160.3	201.4	193.8
450	194.5	212.9	158.2	206.7	184.6	161.9	184.6	173.7
400	182.8	211.3	161.7	188.2	186.9	185.3	180.9	167.4
350			193.1		214.9	225.8	203.9	188.0
300			212.7					224.9
LONG	-132.51	-128.11	-123.70	-119.30	-115.88	-112.75	-106.78	-104.57
LAT	79.56	79.03	78.50	77.97	77.30	76.60	75.09	74.28
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 677 AT RESLUT, 621117			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	203700	203722	203738
1000	0.188	0.133	0.127
950	0.210	0.155	0.152
900	0.241	0.181	0.182
850	0.286	0.215	0.219
800	0.339	0.259	0.266
750	0.405	0.316	0.328
700	0.496	0.387	0.406
650	0.610	0.487	0.510
600	0.779	0.626	0.660
550	1.006	0.826	0.874
500	1.358	1.122	1.195
450	1.905	1.585	1.674
400	2.775	2.306	2.446
350	4.168	3.421	3.681
300	6.128		
HEIGHT	SCALE HEIGHT, KM		
950	392.8	316.5	274.3
900	334.6	305.3	272.3
850	303.6	275.4	260.3
800	281.5	263.9	248.0
750	262.2	259.7	240.7
700	245.4	227.7	229.6
650	228.4	206.8	207.9
600	206.6	196.4	189.9
550	184.7	176.7	170.2
500	162.6	157.3	155.4
450	140.7	138.6	140.5
400	125.5	136.3	126.9
350	122.1	119.4	128.4
300	192.0		
LONG	-88.39	-87.54	-86.91
LAT	63.73	62.56	61.72
QUAL	22	33	33

Table III.—Continued

PASS 677 AT QUITOE, 621117								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	205254	205313	205350	205426	205502	205615	205652	205746
1000	0.203	0.205	0.203	0.224	0.264	0.312	0.365	0.498
950	0.224	0.226	0.229	0.252	0.294	0.360	0.444	0.633
900	0.250	0.251	0.256	0.285	0.335	0.431	0.588	0.852
850	0.282	0.281	0.290	0.331	0.395	0.540	0.793	1.122
800	0.325	0.325	0.341	0.395	0.485	0.747	1.107	1.466
750	0.381	0.384	0.409	0.488	0.603	1.085	1.611	1.927
700	0.452	0.460	0.509	0.620	0.805	1.694	2.303	2.594
650	0.562	0.581	0.644	0.832	1.169	2.737	3.289	3.552
600	0.714	0.772	0.898	1.161	1.847	4.326	4.772	4.896
550	0.977	1.066	1.329	1.761	3.156	6.686	7.070	6.664
500	1.402	1.560	2.020	2.923	6.176	10.046	9.981	8.690
450	2.099	2.414	3.324	5.372	11.153			
400	3.425	3.967	5.759					
350	5.962	6.635	9.427					
300		9.765						
HEIGHT	SCALE HEIGHT, KM							
	492.5	493.6	425.3	405.2	407.1	296.1	211.1	183.5
950	492.5	493.6	425.3	405.2	407.1	296.1	211.1	183.5
900	431.7	449.6	404.7	363.3	337.4	248.9	172.0	179.7
850	385.5	402.4	347.2	309.4	288.4	198.5	160.8	184.6
800	340.3	334.9	303.1	261.0	251.1	144.8	142.9	185.2
750	301.6	284.7	261.2	226.7	198.5	129.3	138.3	176.6
700	264.7	245.8	225.4	196.0	159.7	107.6	141.0	165.0
650	227.7	201.9	191.6	171.4	122.6	105.5	136.4	156.6
600	190.5	173.1	146.9	137.3	103.1	114.3	126.3	157.7
550	153.2	147.3	123.8	111.3	82.1	116.4	137.7	172.2
500	132.0	124.4	111.1	92.6	80.6	96.5	161.2	217.0
450	112.6	108.0	92.7	81.3	107.7			
400	92.6	97.0	94.2					
350	98.1	109.2	118.3					
300		185.6						
LONG	-74.40	-74.30	-74.09	-73.90	-73.71	-73.32	-73.12	-72.83
LAT	10.74	9.66	7.57	5.53	3.49	-0.65	-2.74	-5.80
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 677 AT QUITOE, 621117								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	205822	205858	205935	205953	210033	210106	210252	210347
1000	0.597	0.693	0.737	0.728	0.725	0.698	0.442	0.305
950	0.752	0.841	0.870	0.858	0.846	0.827	0.549	0.369
900	0.951	1.023	1.033	1.020	0.999	0.980	0.718	0.464
850	1.188	1.244	1.259	1.244	1.215	1.186	0.942	0.612
800	1.511	1.558	1.583	1.563	1.528	1.480	1.254	0.870
750	1.967	1.994	2.020	2.002	1.955	1.910	1.633	1.270
700	2.606	2.597	2.620	2.584	2.521	2.541	2.178	1.872
650	3.489	3.399	3.374	3.319	3.262	3.382	3.075	2.739
600	4.669	4.394	4.297	4.247	4.219	4.437	4.522	4.012
550	6.109	5.588	5.392	5.334	5.304	5.669	6.639	6.306
500	7.638	6.875		6.582	6.535	7.022	9.309	9.509
450	8.921	7.904			7.587	8.294		
400								
350								
300								
HEIGHT	SCALE HEIGHT, KM							
	210.3	255.4	291.8	293.8	309.3	294.4	201.7	233.5
950	210.3	255.4	291.8	293.8	309.3	294.4	201.7	233.5
900	219.2	257.9	269.4	265.9	276.1	272.4	185.8	203.2
850	215.5	236.1	238.4	236.7	237.0	245.3	183.3	155.0
800	199.3	216.2	215.7	217.0	215.6	215.6	183.9	141.4
750	185.5	197.5	199.1	201.6	201.9	189.1	183.8	129.5
700	176.4	189.3	196.0	198.6	196.3	176.8	158.4	131.0
650	168.9	189.3	202.8	200.4	192.3	177.8	137.8	134.8
600	177.5	201.7	212.8	211.3	207.1	194.6	130.6	119.4
550	202.7	220.0	232.7	227.6	227.7	217.5	135.6	115.3
500	271.1	296.0		280.3	280.2	263.4	159.6	127.1
450	427.0	494.1			471.1	374.2		
400								
350								
300								
LONG	-72.64	-72.44	-72.23	-72.13	-71.89	-71.69	-70.92	-70.58
LAT	-7.84	-9.88	-11.97	-12.98	-15.25	-17.12	-23.10	-26.21
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 677 AT SOLANT, 621117								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	210345	210422	210458	210544	210610	210646	210722	210759
1000	0.321	0.269	0.236	0.220	0.211	0.226	0.173	0.184
950	0.413	0.322	0.269	0.247	0.233	0.238	0.195	0.205
900	0.531	0.414	0.315	0.282	0.267	0.257	0.218	0.227
850	0.710	0.558	0.392	0.328	0.307	0.295	0.247	0.257
800	1.061	0.803	0.539	0.396	0.366	0.345	0.287	0.297
750	1.612	1.243	0.781	0.509	0.446	0.419	0.339	0.348
700	2.390	2.005	1.213	0.789	0.566	0.524	0.417	0.422
650	3.458	3.285	2.014	1.359	0.774	0.690	0.546	0.539
600	5.093	5.212	3.634	2.083	1.244	0.964	0.743	0.706
550	7.746	7.937	6.495	3.629	2.168	1.365	1.050	0.978
500	11.068	11.525	10.515	6.358	3.920	2.041	1.583	1.398
450				10.873	7.230	3.757	2.518	2.116
400					12.022	7.132	4.431	3.623
350						12.044	8.362	6.603
300								10.372
HEIGHT	SCALE HEIGHT, KM							
	193.9	253.7	349.5	400.4	446.3	783.9	438.0	479.2
950	193.9	253.7	349.5	400.4	446.3	783.9	438.0	479.2
900	193.6	164.8	273.4	357.8	364.7	557.5	414.3	433.4
850	136.5	153.4	195.5	300.9	323.5	333.8	373.6	379.4
800	122.4	126.1	142.8	235.8	271.3	284.5	314.3	333.4
750	126.3	112.5	125.5	164.3	229.8	242.4	272.4	290.2
700	131.8	103.7	109.3	98.8	191.4	218.4	210.2	233.2
650	133.1	104.0	93.5	106.8	151.4	163.1	180.2	187.0
600	122.5	113.9	83.6	104.4	89.3	147.4	156.5	169.5
550	127.6	126.7	93.0	90.5	93.9	137.4	135.7	152.7
500	150.3	138.9	114.3	90.2	81.6	104.8	116.6	133.9
450				95.9	91.5	75.1	100.4	108.3
400					97.6	87.6	82.7	89.6
350						104.7	86.7	89.4
300								154.6
LONG	-70.59	-70.33	-70.04	-69.63	-69.39	-69.03	-68.64	-68.22
LAT	-26.09	-28.18	-30.20	-32.78	-34.74	-36.25	-38.26	-40.32
QUAL	23	23	23	23	23	23	23	23

Table III.—Continued

PASS 677 AT SOLANT, 621117								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	210853	210946	211118	211214	211251	211327	211404	211440
1000	0.180	0.183	0.191	0.191	0.192	0.188	0.169	0.178
950	0.199	0.210	0.215	0.215	0.218	0.214	0.190	0.200
900	0.224	0.235	0.244	0.248	0.251	0.246	0.215	0.224
850	0.255	0.267	0.279	0.283	0.290	0.283	0.247	0.253
800	0.294	0.307	0.321	0.328	0.336	0.328	0.286	0.289
750	0.343	0.359	0.376	0.399	0.395	0.387	0.333	0.333
700	0.415	0.432	0.453	0.498	0.471	0.466	0.397	0.393
650	0.524	0.539	0.569	0.626	0.584	0.591	0.486	0.472
600	0.685	0.689	0.743	0.812	0.747	0.765	0.611	0.589
550	0.903	0.885	0.985	1.060	0.975	1.004	0.776	0.754
500	1.248	1.226	1.318	1.429	1.293	1.320	1.018	0.985
450	1.780	1.721	1.814	1.974	1.722	1.811	1.372	1.314
400	2.728	2.551	2.568	2.838	2.440	2.556	1.902	1.795
350	4.614	4.233	3.793	4.057	3.604	3.786	2.739	2.565
300	8.177	6.766	5.359	5.273	5.078	5.206	4.029	3.803
HEIGHT	SCALE HEIGHT, KM							
	464.7	411.4	405.3	399.4	373.2	374.7	415.2	433.7
950	464.7	411.4	405.3	399.4	373.2	374.7	415.2	433.7
900	409.4	404.5	384.3	377.4	356.1	360.2	388.6	420.2
850	372.3	383.4	366.0	353.3	343.4	346.5	349.9	385.1
800	336.5	342.8	336.2	293.2	322.1	317.6	333.4	359.4
750	288.3	300.1	290.8	252.6	291.9	278.3	299.8	334.8
700	239.4	233.7	241.8	224.3	261.2	241.2	267.2	300.2
650	205.6	216.1	205.7	205.7	221.1	216.5	238.1	247.4
600	186.7	197.5	192.1	193.5	198.6	193.6	218.8	214.0
550	172.6	178.5	178.5	182.6	188.3	183.9	202.6	204.1
500	153.3	161.3	165.0	165.7	175.8	172.8	180.8	185.3
450	131.5	141.0	153.8	148.9	161.6	155.9	162.6	169.0
400	107.2	114.9	137.9	141.1	138.7	138.5	145.1	150.9
350	89.7	97.0	130.5	150.5	131.8	131.8	133.0	133.1
300	97.9	170.4	191.1	494.2	287.8	400.3	140.5	126.6
LONG	-67.53	-66.76	-65.13	-63.92	-63.01	-61.98	-60.83	-59.47
LAT	-43.33	-46.27	-51.33	-54.39	-56.40	-58.34	-60.33	-62.25
QUAL	22	32	22	22	22	22	22	23

Table III.—Continued

PASS 677 AT SULANT, 621117								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	211516	211552	211628	211704	211741	211817	211853	211930
1000	0.190	0.202	0.206	0.205	0.227	0.221	0.218	0.250
950	0.212	0.225	0.229	0.232	0.254	0.248	0.245	0.277
900	0.239	0.251	0.256	0.263	0.283	0.277	0.275	0.308
850	0.271	0.283	0.290	0.299	0.318	0.310	0.313	0.346
800	0.306	0.324	0.333	0.344	0.364	0.359	0.359	0.390
750	0.356	0.377	0.387	0.398	0.422	0.419	0.416	0.443
700	0.424	0.445	0.458	0.469	0.500	0.493	0.491	0.512
650	0.514	0.533	0.553	0.561	0.600	0.579	0.587	0.604
600	0.627	0.660	0.689	0.708	0.746	0.713	0.724	0.723
550	0.780	0.832	0.872	0.903	0.951	0.900	0.917	0.891
500	1.028	1.073	1.133	1.163	1.239	1.167	1.197	1.119
450	1.371	1.427	1.510	1.518	1.644	1.555	1.597	1.441
400	1.856	1.933	2.053	2.046	2.219	2.117	2.161	1.919
350	2.625	2.725	2.889	2.810	3.071	2.940	2.931	2.613
300	3.841	3.885	4.056	3.846	4.217	4.043	4.008	3.505
HEIGHT	SCALE HEIGHT, KM							
	434.5	459.3	452.5	401.1	448.5	452.1	426.4	479.9
950	410.2	428.1	418.8	394.4	432.3	429.1	405.1	447.7
900	390.6	387.0	384.1	367.5	396.6	382.1	376.4	424.3
800	357.3	354.4	350.4	345.4	356.8	353.7	349.0	395.4
750	321.3	326.4	319.0	324.8	316.5	325.3	322.3	363.0
700	284.6	294.9	285.2	290.3	287.6	300.3	294.0	330.8
650	258.8	258.3	247.5	246.5	257.8	275.6	264.8	298.6
600	238.4	231.7	225.8	226.2	223.9	241.4	232.7	267.3
550	215.4	208.6	205.3	206.8	200.7	207.7	201.9	238.3
500	186.3	187.9	183.1	191.1	185.7	184.0	181.7	212.2
450	172.7	175.1	172.5	182.6	173.6	170.9	171.7	189.7
400	153.5	153.7	155.2	162.6	161.5	157.8	165.5	168.8
350	140.1	142.7	143.0	157.7	152.1	150.5	159.6	170.4
300	137.3	165.2	168.7	177.0	189.3	175.8	175.9	177.1
LONG	-57.96	-56.24	-54.11	-51.77	-48.67	-45.09	-40.90	-35.12
LAT	-64.14	-66.02	-67.86	-69.68	-71.49	-73.18	-74.82	-76.34
QUAL	23	12	21	33	32	32	22	32

Table III.—Continued

PASS 683 AT SOLANT, 621118								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	80237	80313	80349	80416	80502	80933	81010	81104
1000	0.237	0.220	0.198	0.177	0.184	0.141	0.125	0.118
950	0.272	0.253	0.230	0.203	0.208	0.148	0.133	0.129
900	0.315	0.293	0.268	0.235	0.238	0.158	0.145	0.141
850	0.376	0.347	0.317	0.278	0.276	0.168	0.163	0.155
800	0.452	0.416	0.380	0.337	0.326	0.188	0.188	0.174
750	0.543	0.505	0.462	0.413	0.392	0.234	0.227	0.204
700	0.667	0.620	0.564	0.511	0.473	0.294	0.286	0.251
650	0.848	0.786	0.714	0.639	0.604	0.382	0.374	0.325
600	1.093	1.023	0.927	0.846	0.786	0.545	0.498	0.449
550	1.474	1.391	1.250	1.173	1.080	0.793	0.690	0.649
500	2.084	1.965	1.755	1.681	1.559	1.203	0.998	0.961
450	3.128	2.952	2.586	2.529	2.334	1.852	1.530	1.511
400	4.896		4.016	3.849	3.651	2.898	2.475	2.373
350	7.406		6.110	5.704		4.332		3.722
300								
HEIGHT	SCALE HEIGHT, KM							
	80237	80313	80349	80416	80502	80933	81010	81104
950	343.3	340.0	329.7	344.8	379.4	913.0	660.7	585.4
900	307.9	308.7	311.1	313.6	357.6	772.0	527.6	541.6
850	291.5	292.6	290.0	287.6	315.2	654.0	427.6	476.6
800	276.1	276.6	267.6	266.9	282.3	192.0	308.3	382.8
750	253.5	256.2	249.9	246.4	262.1	288.6	243.1	262.9
700	231.9	231.6	233.3	227.4	241.9	192.6	203.4	224.5
650	211.6	204.9	211.2	204.3	212.5	155.9	178.4	171.4
600	179.1	175.5	184.9	169.1	180.2	133.6	163.6	146.4
550	161.2	157.4	157.3	147.1	149.1	127.9	147.8	129.4
500	134.7	132.7	142.3	132.9	134.1	117.5	129.3	122.3
450	115.3	113.0	123.2	120.2	117.6	116.1	111.1	111.7
400	115.5		115.7	120.8	115.4	111.5	108.0	109.9
350	138.7		141.3	154.7		165.3		129.7
300								
LONG	-81.36	-79.80	-78.47	-77.59	-76.23	-71.27	-70.82	-70.22
LAT	-64.31	-62.42	-60.51	-59.07	-56.59	-41.75	-39.71	-36.72
QUAL	33	33	22	22	33	32	33	33

Table III. —Continued

PASS 691 AT RESLUT 621118							
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)							
HEIGHT	TIME (UT)						
	210951	211328	211404	211422	211440	211553	211611
1000	0.077	0.187	0.175	0.177	0.164	0.130	0.144
950	0.086	0.203	0.195	0.197	0.184	0.150	0.162
900	0.099	0.226	0.214	0.221	0.208	0.172	0.187
850	0.116	0.267	0.236	0.252	0.238	0.200	0.222
800	0.137	0.320	0.261	0.293	0.277	0.233	0.266
750	0.163	0.371	0.308	0.345	0.326	0.280	0.311
700	0.194	0.429	0.397	0.414	0.384	0.339	0.369
650	0.232	0.525	0.485	0.507	0.476	0.417	0.450
600	0.290	0.651	0.577	0.633	0.597	0.529	0.562
550	0.377	0.829	0.722	0.810	0.773	0.665	0.717
500	0.515	1.071	0.965	1.047	1.018	0.873	0.941
450	0.707	1.454	1.262	1.386	1.370	1.194	1.276
400	0.903	2.012	1.724	1.899	1.914	1.659	
350	1.331	2.808	2.364	2.646	2.745		
300	1.761	3.998	3.313		3.936		
HEIGHT	SCALE HEIGHT, KM						
	370.6	511.2	496.7	449.5	417.8	359.6	377.7
950	370.6	511.2	496.7	449.5	417.8	359.6	377.7
900	343.4	396.8	476.1	400.6	380.0	341.6	321.1
850	320.4	346.0	432.3	351.4	348.9	319.1	306.5
800	308.4	309.8	388.5	323.3	320.7	291.6	297.7
750	305.1	302.6	321.1	297.5	296.8	272.3	297.1
700	290.6	291.2	223.2	270.4	272.9	255.3	268.4
650	248.2	255.8	230.1	241.4	244.0	236.3	237.6
600	212.0	223.6	231.0	219.4	214.2	222.6	219.7
550	175.4	204.6	212.4	205.3	193.0	208.8	199.9
500	159.5	184.4	176.6	190.2	176.1	175.3	177.9
450	159.6	161.8	175.0	173.6	163.8	159.5	163.1
400	157.6	154.4	160.6	154.7	144.7	147.2	
350	164.7	143.5	156.8	153.1	138.3		
300	180.4	162.5	149.9		143.6		
LONG	-128.47	-102.52	-100.60	-99.84	-99.08	-96.45	-95.91
LAT	77.48	66.55	64.09	63.74	62.79	58.90	57.93
QUAL	33	33	33	33	33	33	33

Table III.—Continued

PASS 691 AT SOLANT, 621118								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	214533	214609	214646	214712	214758	214834	215007	215045
1000	0.204	0.207	0.201	0.194	0.193	0.201	0.186	0.201
950	0.221	0.225	0.220	0.213	0.211	0.219	0.206	0.221
900	0.242	0.247	0.243	0.234	0.233	0.242	0.229	0.245
850	0.271	0.276	0.271	0.258	0.261	0.272	0.259	0.275
800	0.307	0.313	0.310	0.292	0.294	0.308	0.298	0.312
750	0.350	0.358	0.360	0.336	0.332	0.351	0.347	0.358
700	0.417	0.415	0.427	0.395	0.384	0.403	0.409	0.428
650	0.505	0.505	0.508	0.470	0.457	0.477	0.487	0.518
600	0.641	0.640	0.638	0.589	0.569	0.591	0.603	0.647
550	0.821	0.839	0.813	0.772	0.736	0.757	0.764	0.809
500	1.109	1.126	1.082	1.025	0.969	0.987	0.992	1.049
450	1.576	1.556	1.504	1.398	1.297	1.301	1.313	1.386
400	2.395	2.237	2.157	1.991	1.809	1.769	1.790	1.879
350	4.108	3.508	3.356	2.997	2.640	2.510	2.484	2.609
300	7.699	5.911	5.637	4.715	4.076	3.683	3.399	3.572
HEIGHT	SCALE HEIGHT, KM							
	563.3	547.9	503.4	522.8	519.2	539.9	477.5	501.9
950	563.3	547.9	503.4	522.8	519.2	539.9	477.5	501.9
900	487.4	475.0	464.1	494.8	471.3	466.9	429.3	456.4
850	428.5	439.3	422.0	448.0	437.2	415.6	383.5	414.9
800	377.8	405.7	357.9	391.0	405.7	392.6	350.9	368.6
750	330.6	352.9	312.5	336.6	375.8	374.9	326.4	322.6
700	285.7	294.9	286.8	305.6	324.3	344.2	296.2	284.5
650	241.8	244.8	261.1	271.3	260.5	265.4	258.9	248.8
600	215.5	209.0	231.8	200.2	212.1	218.6	232.9	231.6
550	188.9	184.9	201.5	188.9	186.7	195.2	210.0	214.3
500	161.1	164.7	167.2	172.3	178.3	185.1	190.2	190.9
450	134.8	151.2	148.7	153.2	165.2	173.6	172.5	174.5
400	109.6	123.7	126.4	130.2	142.9	154.1	156.8	157.4
350	79.7	102.3	103.0	117.6	124.3	137.3	156.7	156.1
300	81.7	98.1	100.0	108.3	118.4	132.9	176.3	186.3
LONG	-79.43	-78.97	-78.45	-78.05	-77.30	-76.62	-74.54	-73.48
LAT	-40.98	-42.98	-45.03	-46.47	-49.01	-50.98	-56.06	-58.11
QUAL	23	23	23	23	22	22	21	21

Table III.—Continued

PASS 691 AT SOLANT, 621118						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	215252	215318	215404	215440	215516	215723
1000	0.210	0.209	0.218	0.215	0.243	0.263
950	0.237	0.234	0.242	0.242	0.273	0.292
900	0.265	0.262	0.270	0.270	0.306	0.326
850	0.300	0.298	0.307	0.306	0.346	0.368
800	0.341	0.342	0.353	0.348	0.394	0.419
750	0.396	0.398	0.409	0.400	0.450	0.483
700	0.464	0.468	0.478	0.475	0.531	0.571
650	0.563	0.564	0.582	0.580	0.647	0.681
600	0.704	0.695	0.714	0.713	0.800	0.838
550	0.895	0.878	0.908	0.908	1.016	1.060
500	1.146	1.133	1.172	1.171	1.320	1.396
450	1.507	1.529	1.554	1.551	1.745	1.881
400	2.030	2.075	2.128	2.109	2.344	2.559
350	2.822	2.843	2.923	2.895	3.179	3.478
300	3.871	3.869	3.950	3.899	4.186	4.486
HEIGHT	SCALE HEIGHT, KM					
	424.3	432.8	453.2	430.5	428.3	459.4
950	424.3	432.8	453.2	430.5	428.3	459.4
900	408.1	400.0	408.4	412.9	412.1	428.5
850	388.9	377.9	384.4	395.8	401.4	407.1
800	369.7	355.8	360.4	378.6	391.6	364.4
750	337.3	327.7	323.9	322.1	327.6	318.4
700	288.7	293.3	284.7	268.9	281.2	295.6
650	240.2	249.0	259.7	252.9	260.2	272.8
600	225.4	230.2	234.7	237.0	237.8	239.0
550	209.5	207.8	210.0	211.4	206.1	199.2
500	193.9	184.7	188.7	190.1	189.3	181.5
450	181.6	170.8	172.8	174.0	175.0	161.9
400	158.9	161.2	158.4	160.8	168.4	165.0
350	154.9	158.2	160.2	161.3	168.8	178.3
300	192.0	197.8	206.4	208.6	238.7	236.8
LONG	-68.72	-67.36	-64.69	-51.99	-58.85	-40.91
LAT	-64.86	-66.20	-68.56	-70.35	-72.09	-77.50
QUAL	11	22	21	21	32	22

Table III.—Continued

PASS 704 AT RESLUT, 621119				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	200202	200509	200621	200715
1000	0.148	0.195	0.189	0.242
950	0.167	0.207	0.207	0.279
900	0.192	0.230	0.228	0.320
850	0.225	0.258	0.255	0.363
800	0.263	0.289	0.290	0.412
750	0.308	0.324	0.333	0.471
700	0.380	0.365	0.385	0.554
650	0.479	0.463	0.451	0.662
600	0.606	0.590	0.529	0.803
550	0.795	0.748	0.638	0.987
500	1.061	0.941	0.780	1.259
450	1.434	1.240	0.957	1.643
400	1.965	1.682	1.285	2.201
350	2.776	2.360	1.896	
300	3.611	3.426	2.994	
HEIGHT	SCALE HEIGHT, KM			
	382.0	657.1	537.7	
950	382.0	657.1	537.7	
900	342.5	422.9	472.6	381.4
850	318.5	403.4	419.8	388.9
800	300.5	383.9	385.7	370.5
750	280.3	364.4	359.2	338.6
700	230.3	333.7	334.3	301.6
650	212.6	206.3	313.4	270.1
600	202.4	211.7	292.5	251.3
550	185.6	211.0	277.8	230.2
500	171.7	199.6	265.3	202.7
450	166.3	178.3	210.4	181.3
400	152.3	154.6	149.6	158.1
350	150.0	145.9	114.4	
300	276.8	133.0	141.3	
LONG	-105.61	-87.86	-84.32	-82.24
LAT	75.97	67.07	63.31	60.44
QUAL	33	33	23	33

Table III.—Continued

PASS 704 AT OTTAWA, 621119								
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)								
HEIGHT	TIME (UT)							
	200821	200857	200933	201009	201104	201140	201234	201310
1000	0.169	0.149	0.178	0.134	0.152	0.152	0.143	0.148
950	0.196	0.171	0.199	0.157	0.172	0.170	0.160	0.167
900	0.228	0.198	0.222	0.183	0.197	0.193	0.181	0.190
850	0.265	0.231	0.252	0.212	0.227	0.222	0.209	0.219
800	0.313	0.271	0.291	0.245	0.262	0.258	0.244	0.255
750	0.374	0.320	0.344	0.288	0.306	0.302	0.287	0.299
700	0.457	0.379	0.412	0.340	0.358	0.353	0.337	0.349
650	0.567	0.474	0.514	0.409	0.435	0.424	0.395	0.407
600	0.723	0.606	0.643	0.527	0.559	0.536	0.507	0.516
550	0.935	0.795	0.825	0.684	0.720	0.675	0.659	0.668
500	1.239	1.055	1.084	0.909	0.948	0.892	0.874	0.876
450	1.700	1.457	1.464	1.260	1.307	1.207	1.194	1.185
400	2.421	2.047	2.045	1.788	1.853	1.677	1.681	1.660
350	3.499	2.927	2.958	2.612	2.732		2.465	2.452
300	5.083	4.274	4.457	3.887	4.074		3.877	
HEIGHT	SCALE HEIGHT, KM							
	333.5	348.1	452.5	313.6	373.5	412.0	415.1	413.1
950	333.5	348.1	452.5	313.6	373.5	412.0	415.1	413.1
900	336.0	333.1	421.2	332.8	361.6	378.3	370.5	370.7
850	308.8	315.5	369.1	328.4	344.2	347.2	341.6	342.4
800	286.8	297.2	322.1	313.4	324.7	319.4	314.9	317.9
750	269.3	279.7	288.7	294.9	302.5	301.1	297.4	301.7
700	248.3	262.3	257.2	276.4	280.2	282.8	279.8	285.6
650	224.4	231.1	239.5	253.6	253.6	261.1	262.3	269.5
600	204.3	195.6	221.8	216.1	221.9	234.1	231.3	240.1
550	185.3	183.6	198.4	185.1	193.0	207.2	198.3	207.1
500	170.2	169.9	176.4	168.1	171.6	180.0	171.9	178.2
450	148.6	153.4	161.6	152.8	153.2	161.0	155.5	159.0
400	140.9	144.9	143.4	135.9	136.2	144.7	138.9	139.1
350	130.8	134.0	130.2	129.4	124.5		125.1	125.7
300	151.4	132.9	121.6	123.0	125.7		105.2	
LONG	-80.21	-79.26	-78.46	-77.70	-76.70	-76.13	-75.36	-74.89
LAT	56.89	54.94	52.98	51.00	47.97	45.98	42.98	40.97
QUAL	33	33	33	33	22	13	13	13

Table III.—Continued

PASS 704 AT OTTAWA, 621119						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	201347	201423	201459	201517	201553	201630
1000	0.146	0.143	0.156	0.138	0.136	0.157
950	0.164	0.160	0.175	0.156	0.159	0.176
900	0.186	0.181	0.195	0.175	0.179	0.197
850	0.213	0.207	0.221	0.199	0.204	0.219
800	0.246	0.238	0.253	0.229	0.231	0.247
750	0.287	0.279	0.293	0.266	0.271	0.285
700	0.336	0.327	0.340	0.311	0.320	0.335
650	0.393	0.397	0.406	0.368	0.378	0.397
600	0.498	0.490	0.497	0.455	0.478	0.481
550	0.640	0.633	0.641	0.576	0.619	0.615
500	0.831	0.829	0.830	0.754	0.795	0.816
450	1.104	1.116	1.119	1.014	1.076	1.112
400	1.533	1.544	1.568	1.414	1.511	1.502
350	2.239	2.252	2.250	2.054	2.213	2.176
300	3.448			3.199	3.385	3.378
HEIGHT	SCALE HEIGHT, KM					
	404.1	409.6	473.1	420.9		
950	404.1	409.6	473.1	420.9		
900	382.0	389.9	428.0	402.2	391.1	462.0
850	353.7	356.4	383.9	365.2	367.6	433.9
800	327.7	330.8	350.8	338.5	340.3	379.8
750	309.1	311.5	331.6	321.8	314.6	326.7
700	290.6	292.2	312.4	305.0	289.0	314.3
650	272.0	259.4	274.0	280.9	263.3	302.0
600	243.6	220.9	218.8	236.7	239.2	226.4
550	213.1	200.2	206.3	204.2	215.6	203.4
500	186.4	179.9	193.8	183.7	190.9	164.6
450	164.7	161.3	155.9	159.5	155.7	161.2
400	146.6	146.1	147.3	145.8	147.2	157.4
350	126.3	120.0	126.5	125.4	124.5	125.0
300	114.6			103.0	116.7	114.3
LONG	-74.45	-74.06	-73.68	-73.51	-73.18	-72.86
LAT	38.91	36.90	34.89	33.88	31.85	29.77
QUAL	33	13	13	23	33	23

Table III.—Continued

PASS 724 AT AGASTA, 621121				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	81737	81813	81847	81923
1000	0.189	0.189	0.165	0.151
950	0.194	0.195	0.170	0.155
900	0.201	0.199	0.176	0.159
850	0.212	0.208	0.183	0.165
800	0.214	0.215	0.191	0.172
750	0.207	0.232	0.203	0.179
700	0.242	0.246	0.218	0.191
650	0.254	0.255	0.237	0.206
600	0.288	0.277	0.265	0.221
550	0.323	0.306	0.303	0.237
500	0.363	0.347	0.352	0.259
450	0.460	0.402	0.415	0.289
400	0.594	0.475	0.516	0.330
350	0.765	0.575	0.655	0.386
300	0.993	0.713	0.834	0.462
HEIGHT	SCALE HEIGHT, KM			
	2600.5	1849.8	1592.1	2295.9
950	2600.5	1849.8	1592.1	2295.9
900	2081.0	1832.0	1377.0	1674.9
850	2033.3	1291.0	1132.7	1352.3
800	1985.5	1374.8	921.4	1172.6
750	1937.8	835.4	807.1	997.9
700	541.2	895.6	692.8	852.7
650	509.7	775.9	517.6	720.3
600	414.5	546.3	431.2	685.7
550	367.8	458.0	381.4	633.0
500	320.2	371.4	326.3	514.2
450	255.5	324.4	262.3	410.1
400	200.8	284.3	239.2	352.2
350	189.5	244.4	218.7	303.1
300	177.7	227.0	212.0	260.9
LONG	-77.82	-77.46	-77.13	-76.82
LAT	-36.90	-27.90	-7.72	-11.10
QUAL	33	33	33	33

Table III.—Continued

PASS 724 AT QUITOE, 621121	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	83319
1000	0.161
950	0.166
900	0.171
850	0.178
800	0.184
750	0.191
700	0.201
650	0.214
600	0.233
550	0.260
500	0.300
450	0.360
400	0.460
350	
300	
HEIGHT	SCALE HEIGHT, KM
950	1684.1
900	1499.5
850	1409.5
800	1329.1
750	1173.9
700	929.9
650	690.9
600	521.5
550	404.8
500	332.5
450	245.8
400	192.6
350	
300	
LONG	-71.84
LAT	15.81
QUAL	23

Table III.—Continued

PASS 745 AT RESLUT, 621122								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	200507	200525	200601	200843	201200	201218	201254	201616
1000	0.014	0.012	0.024	0.220	0.201	0.220	0.160	0.195
950	0.017	0.017	0.028	0.240	0.217	0.236	0.183	0.219
900	0.021	0.021	0.033	0.273	0.233	0.259	0.203	0.248
850	0.026	0.027	0.037	0.312	0.256	0.291	0.226	0.289
800	0.031	0.033	0.042	0.360	0.285	0.328	0.252	0.342
750	0.037	0.040	0.047	0.428	0.325	0.368	0.289	0.400
700	0.044	0.048	0.054	0.516	0.377	0.426	0.335	0.478
650	0.052	0.058	0.063	0.630	0.452	0.502	0.393	0.581
600	0.063	0.069	0.076	0.788	0.564	0.603	0.478	0.714
550	0.078	0.082	0.093	0.999	0.719	0.743	0.586	0.894
500	0.100	0.102	0.118	1.280	0.934	0.915	0.724	1.132
450	0.132	0.134	0.157	1.606	1.189	1.156	0.910	1.444
400	0.180	0.186	0.206		1.483	1.454	1.178	1.841
350	0.242	0.261			1.814	1.807	1.548	2.330
300					2.215		2.096	2.945
HEIGHT	SCALE HEIGHT, KM							
	200507	200525	200601	200843	201200	201218	201254	201616
950	272.3			471.6	711.8	615.5	428.9	430.7
900	230.5			377.8	596.8	511.1	456.0	356.7
850	255.3		406.3	355.0	515.8	451.4	435.6	338.8
800	276.2		413.7	318.9	436.5	410.9	412.4	322.0
750	287.8	256.7	392.6	276.1	372.7	375.3	373.5	290.3
700	288.9	269.0	358.4	259.1	308.6	337.8	325.0	272.1
650	287.0	281.8	291.6	241.9	250.4	300.0	274.8	257.6
600	247.2	284.7	255.0	224.7	227.3	269.2	264.6	241.6
550	213.1	273.2	226.7	210.0	206.1	251.3	234.5	222.1
500	193.9	208.2	198.7	212.1	199.5	233.4	238.7	212.4
450	173.6	168.7	164.3	238.6	216.6	226.0	206.9	208.6
400	161.9	146.7	234.4		237.9	227.4	193.7	211.1
350	179.6	156.1			248.4	245.4	175.5	214.3
300					245.2		164.5	225.6
LONG	-169.76	-163.72	-151.67	-112.84	-94.50	-93.65	-91.94	-85.84
LAT	80.32	80.35	80.38	75.71	66.27	65.33	63.44	52.55
QUAL	23	23	22	33	33	33	33	33

Table III. —Continued

PASS 772 AT RESLUT, 621124								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	193626	193738	193814	193908	193926	193944	194131	194213
1000	0.089	0.069	0.072	0.207	0.124	0.217	0.356	0.235
950	0.103	0.084	0.085	0.228	0.138	0.247	0.393	0.275
900	0.119	0.096	0.100	0.253	0.156	0.277	0.436	0.318
850	0.136	0.109	0.117	0.285	0.180	0.313	0.493	0.368
800	0.156	0.128	0.138	0.325	0.206	0.353	0.563	0.427
750	0.179	0.150	0.161	0.374	0.242	0.399	0.647	0.500
700	0.209	0.177	0.190	0.432	0.287	0.452	0.753	0.594
650	0.250	0.212	0.228	0.511	0.345	0.519	0.886	0.720
600	0.303	0.260	0.279	0.611	0.421	0.608	1.059	0.887
550	0.372	0.322	0.350	0.753	0.527	0.727	1.288	1.119
500	0.455	0.407	0.451	0.954	0.665	0.884	1.617	1.453
450	0.556	0.515	0.591	1.217	0.844	1.115	2.098	1.973
400	0.689	0.650	0.795	1.522	1.066	1.441	2.760	2.735
350	0.878	0.812	1.068	1.797	1.324	1.912	3.652	3.697
300	1.051	1.000	1.386		1.556	2.613		
HEIGHT	SCALE HEIGHT, KM							
	193626	193738	193814	193908	193926	193944	194131	194213
950			304.6	489.3	431.4	415.2	497.0	333.6
900	361.2	354.7	305.5	443.7	384.9	416.8	438.8	340.0
850	362.5	343.7	309.7	410.2	357.7	415.0	399.3	342.2
800	360.8	326.8	315.5	385.4	333.8	415.5	370.6	323.2
750	346.2	309.3	313.2	369.7	310.3	413.5	345.8	298.5
700	296.6	289.6	285.0	306.2	287.0	377.7	322.2	276.1
650	274.4	255.3	258.5	288.3	263.9	335.9	293.5	256.7
600	262.8	242.4	236.7	270.4	231.4	291.5	265.8	229.0
550	244.5	230.1	209.2	244.7	223.6	268.1	241.8	205.1
500	249.4	219.5	192.0	212.3	217.6	243.2	210.0	181.1
450	242.7	214.8	182.2	214.4	214.8	213.4	189.3	159.0
400	218.4	220.2	175.3	253.3	222.6	190.1	179.8	158.2
350	231.1	233.8	177.1	465.8	251.7	170.4	204.8	180.8
300	468.6	355.2	225.7		801.1	167.1		
LONG	-127.13	-111.49	-106.35	-99.88	-98.31	-96.74	-89.87	-87.91
LAT	78.92	76.45	74.96	72.50	71.63	70.76	65.33	63.13
QUAL	33	31	31	31	31	33	31	32

Table III.—Continued

PASS 772 AT RESLUT, 621124			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	194355	194413	194431
1000	0.178	0.168	0.172
950	0.205	0.216	0.196
900	0.238	0.248	0.224
850	0.277	0.289	0.261
800	0.326	0.342	0.311
750	0.389	0.407	0.371
700	0.470	0.488	0.440
650	0.571	0.594	0.540
600	0.714	0.746	0.671
550	0.908	0.943	0.850
500	1.173	1.230	1.101
450	1.555	1.618	1.458
400	2.125	2.187	1.978
350	2.959	3.025	2.742
300	3.930	4.117	3.797
HEIGHT	SCALE HEIGHT, KM		
950	335.4	369.7	387.0
900	331.3	340.3	350.9
850	316.6	318.4	314.9
800	294.8	301.9	298.2
750	275.7	281.9	281.0
700	258.2	259.0	264.9
650	240.4	236.7	243.3
600	219.6	221.4	223.5
550	203.6	206.3	206.9
500	191.7	192.3	190.1
450	173.0	175.6	173.4
400	155.4	160.9	159.6
350	159.9	155.4	150.1
300	209.3	216.0	170.0
LONG	-84.35	-83.86	-83.40
LAT	57.67	56.69	55.72
QUAL	31	31	33

Table III.—Continued

PASS 772 AT OTTAWA, 621124								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	194451	194507	194601	194637	194712	194748	194824	194900
1000	0.179	0.161	0.136	0.130	0.130	0.127	0.130	0.130
950	0.197	0.175	0.155	0.153	0.152	0.149	0.148	0.152
900	0.221	0.199	0.181	0.176	0.176	0.172	0.170	0.174
850	0.251	0.226	0.211	0.203	0.200	0.198	0.196	0.198
800	0.267	0.263	0.244	0.236	0.230	0.229	0.225	0.227
750	0.338	0.312	0.286	0.275	0.269	0.266	0.261	0.261
700	0.463	0.377	0.339	0.326	0.319	0.312	0.312	0.306
650	0.491	0.463	0.413	0.396	0.383	0.377	0.380	0.361
600	0.603	0.577	0.516	0.494	0.470	0.467	0.470	0.440
550	0.761	0.737	0.656	0.623	0.591	0.590	0.598	0.551
500	0.978	0.944	0.854	0.816	0.775	0.756	0.775	0.720
450	1.271	1.221	1.149	1.100	1.032	1.001	1.035	0.959
400	1.679	1.614	1.598	1.541	1.389	1.336	1.424	1.301
350	2.298	2.211	2.234	2.180	1.921	1.849	2.050	1.862
300	3.184	2.976	3.131	3.144	2.866	2.753	2.984	2.841
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	477.7	515.4	341.4					
900	417.9	381.1	328.0	350.8	368.1	352.4	361.8	372.6
850	371.8	344.5	326.5	340.1	360.4	345.7	358.3	371.2
800	334.1	317.2	316.3	318.8	338.8	331.5	337.0	356.4
750	302.4	290.1	300.7	308.5	313.6	316.9	304.7	332.9
700	272.0	265.0	278.9	279.4	283.8	293.5	276.5	305.9
650	252.8	241.6	244.8	236.2	254.3	248.2	249.3	277.4
600	233.2	223.4	221.9	222.0	231.2	226.5	224.7	245.8
550	211.8	211.6	204.8	206.4	209.3	209.0	203.9	212.3
500	198.1	199.6	181.4	184.0	189.3	194.7	185.1	188.1
450	186.0	187.4	162.4	161.4	175.3	179.0	167.1	169.9
400	171.2	171.4	149.1	146.4	164.4	165.6	149.9	155.2
350	158.3	163.9	148.5	143.8	139.7	141.6	135.2	129.5
300	163.2	169.0	153.4	138.2	127.1	119.7	128.9	115.4
LONG	-83.40	-82.51	-81.37	-80.73	-80.14	-79.58	-79.08	-78.61
LAT	55.72	53.76	50.79	48.81	46.87	44.88	42.87	40.87
QUAL	33	33	33	23	23	23	33	23

Table III.—Continued

PASS 772 AT OTTAWA, 621124				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	195012	195047	195217	195458
1000	0.114	0.197	0.142	0.182
950	0.129	0.212	0.159	0.193
900	0.147	0.220	0.175	0.208
850	0.169	0.283	0.194	0.236
800	0.196	0.326	0.219	0.266
750	0.229	0.344	0.253	0.302
700	0.269	0.406	0.297	0.357
650	0.328	0.529	0.356	0.428
600	0.405	0.651	0.442	0.523
550	0.515	0.769	0.561	0.666
500	0.667	0.889	0.730	0.865
450	0.882	1.152	0.979	1.155
400	1.201	1.563	1.361	1.616
350	1.696	2.198	1.999	2.364
300	2.571	3.299	3.101	3.487
HEIGHT	SCALE HEIGHT, KM			
	195012	195047	195217	195458
950	378.8			848.2
900	369.2	773.2	506.6	576.8
850	350.1	427.7	439.9	424.5
800	321.8	411.2	378.9	389.3
750	303.2	415.0	334.0	352.7
700	284.6	351.8	297.9	307.0
650	256.2	259.1	263.6	267.8
600	226.5	246.8	231.8	229.7
550	204.9	250.7	205.9	198.6
500	187.6	254.7	187.4	187.0
450	174.6	176.7	162.7	162.0
400	157.6	157.3	144.8	140.9
350	133.3	136.2	117.7	130.7
300	112.4	121.1	114.5	121.6
LONG	-77.80	-77.44	-76.62	-75.42
LAT	36.84	34.87	29.81	20.73
QUAL	23	33	21	33

Table III. —Continued

PASS 772 AT QUITUE, 621124								
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)								
HEIGHT	TIME (UT)							
	195253	195329	195405	195716	195752	195827	195903	195939
1000	0.134	0.156	0.160	0.172	0.176	0.183	0.188	0.205
950	0.151	0.169	0.174	0.189	0.190	0.201	0.207	0.229
900	0.171	0.186	0.190	0.206	0.206	0.219	0.228	0.254
850	0.195	0.209	0.218	0.228	0.230	0.243	0.256	0.283
800	0.223	0.237	0.251	0.255	0.258	0.275	0.293	0.323
750	0.257	0.272	0.286	0.289	0.295	0.319	0.343	0.375
700	0.301	0.318	0.336	0.337	0.346	0.381	0.411	0.451
650	0.361	0.378	0.403	0.407	0.422	0.475	0.505	0.569
600	0.450	0.466	0.499	0.514	0.543	0.617	0.653	0.756
550	0.579	0.606	0.638	0.674	0.736	0.842	0.899	1.067
500	0.774	0.806	0.839	0.910	1.026	1.195	1.290	1.591
450	1.054	1.091	1.112	1.265	1.490	1.758	1.969	2.546
400	1.514	1.538	1.539	1.886	2.307	2.774	3.221	4.265
350	2.300	2.296	2.232	3.083	3.800	4.643	5.334	6.996
300	3.658	3.671	3.420	5.409		7.509	7.846	
HEIGHT	SCALE HEIGHT, KM							
950	404.0	556.1	717.6	613.0	644.7	575.5	506.5	485.5
900	395.1	477.2	499.4	542.5	532.7	521.2	462.6	471.0
850	379.6	418.5	411.3	476.7	462.8	452.1	403.6	415.2
800	361.5	376.8	375.3	431.9	404.7	372.5	350.9	358.7
750	337.2	343.5	343.3	359.7	345.7	310.5	304.3	301.9
700	290.5	312.2	293.0	294.7	277.9	252.7	265.3	248.6
650	250.7	271.4	254.8	245.1	230.0	213.1	218.1	201.7
600	217.3	208.0	221.5	202.9	185.4	177.8	177.0	155.9
550	185.9	182.0	186.9	176.8	158.1	152.6	151.0	136.0
500	168.2	173.1	185.0	162.4	144.2	138.5	130.3	119.4
450	155.6	153.0	163.8	135.9	126.2	120.2	110.3	100.2
400	130.8	137.6	146.6	117.0	107.5	104.3	98.7	98.3
350	115.9	117.4	126.8	91.2	96.4	93.7	105.8	115.0
300	102.3	105.9	116.4	89.3		141.9	221.9	
LONG	-76.33	-76.05	-75.79	-74.57	-74.37	-74.17	-73.97	-73.78
LAT	27.78	25.76	23.73	12.92	10.88	8.90	6.86	4.82
QUAL	31	32	32	23	23	22	22	22

Table III.—Continued

PASS 772 AT QUITOE, 621124								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	200015	200051	200127	200202	200238	200314	200350	200426
1000	0.216	0.226	0.223	0.224	0.248	0.243	0.262	0.176
950	0.237	0.247	0.246	0.253	0.274	0.274	0.297	0.211
900	0.261	0.272	0.273	0.286	0.308	0.311	0.340	0.263
850	0.292	0.308	0.312	0.330	0.354	0.367	0.399	0.324
800	0.334	0.355	0.364	0.388	0.421	0.448	0.488	0.409
750	0.395	0.421	0.438	0.469	0.533	0.566	0.639	0.536
700	0.482	0.523	0.547	0.606	0.712	0.776	0.913	0.785
650	0.617	0.684	0.734	0.849	1.031	1.177	1.402	1.252
600	0.847	0.941	1.058	1.292	1.604	1.959	2.402	2.256
550	1.208	1.373	1.696	2.171	2.841	3.522	4.373	4.337
500	1.882	2.139	2.972	3.928	5.310	6.819	7.726	7.336
450	3.178	3.685	5.412	7.265	9.806	11.144	10.906	9.866
400	5.414	6.474	9.473	12.353				
350	8.545	10.238						
300								
HEIGHT	SCALE HEIGHT, KM							
	200015	200051	200127	200202	200238	200314	200350	200426
950	520.2	527.9	572.1	413.4	455.9	405.4	388.5	250.5
900	479.0	462.2	419.7	373.8	393.8	339.7	347.0	235.7
850	411.5	384.9	345.3	333.0	328.9	284.4	280.0	227.1
800	334.5	319.1	298.7	289.3	248.8	238.4	225.7	211.8
750	276.4	265.6	256.0	235.6	190.7	187.7	155.5	154.4
700	233.9	209.8	197.7	172.8	155.6	138.9	133.2	121.1
650	178.5	172.1	161.5	136.4	125.9	111.4	106.7	86.8
600	150.0	148.3	125.4	108.0	103.3	91.1	86.9	79.5
550	128.8	124.5	97.6	91.2	79.5	80.1	83.5	83.6
500	105.5	103.6	84.4	79.5	80.7	79.7	103.8	122.5
450	90.5	86.2	84.6	86.8	94.7	158.6	270.8	244.5
400	96.9	95.8	100.1	125.4				
350	127.3	126.8						
300								
LONG	-73.59	-73.40	-73.21	-73.02	-72.83	-72.63	-72.43	-72.23
LAT	2.78	0.74	-1.30	-3.27	-5.31	-7.35	-9.39	-11.43
QUAL	32	33	33	33	33	33	32	32

Table III. —Continued

PASS 772 AT QUITOE, 621124			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	200520	200556	200631
1000	0.285	0.264	0.265
950	0.317	0.298	0.298
900	0.360	0.343	0.339
850	0.423	0.399	0.394
800	0.524	0.484	0.476
750	0.705	0.632	0.605
700	1.027	0.907	0.831
650	1.582	1.387	1.257
600	2.574	2.298	2.097
550	4.288	3.951	3.738
500	6.869	6.456	6.233
450	9.315	9.430	9.644
400		11.333	12.524
350			
300			
HEIGHT	SCALE HEIGHT, KM		
950	439.0	378.7	404.2
900	356.8	353.6	364.5
850	267.0	290.6	292.4
800	207.4	228.2	236.5
750	146.9	160.6	185.0
700	127.7	127.2	143.2
650	108.6	111.9	112.7
600	101.3	92.2	88.8
550	99.2	95.9	93.2
500	127.7	109.9	103.3
450	220.5	175.8	136.8
400		537.2	263.0
350			
300			
LONG	-71.92	-71.71	-71.49
LAT	-14.48	-16.51	-18.49
QUAL	32	32	33

Table III.—Continued

PASS 772 AT AGASTA, 621124								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	200813	200848	200924	201000	201036	201112	201148	201242
1000	0.270	0.270	0.266	0.244	0.208	0.199	0.208	0.204
950	0.298	0.300	0.298	0.279	0.228	0.220	0.227	0.221
900	0.334	0.332	0.329	0.317	0.257	0.245	0.255	0.244
850	0.386	0.383	0.378	0.358	0.296	0.278	0.291	0.276
800	0.450	0.450	0.440	0.406	0.346	0.320	0.337	0.314
750	0.531	0.531	0.516	0.474	0.410	0.373	0.394	0.359
700	0.679	0.654	0.636	0.593	0.488	0.456	0.470	0.422
650	0.909	0.852	0.833	0.767	0.640	0.578	0.596	0.568
600	1.338	1.173	1.135	1.026	0.855	0.743	0.821	0.762
550	2.119	1.785	1.632	1.458	1.168	1.026	1.123	1.004
500	3.507	2.878	2.505	2.157	1.726	1.488	1.600	1.384
450	6.015	4.981	4.133	3.380	2.736	2.272	2.442	2.067
400	9.648	8.291	7.164	5.590	4.518	3.782	3.980	3.297
350		13.180	11.649	8.965	7.452	6.682	6.647	5.696
300				14.310	11.665	10.745	10.402	8.883
HEIGHT	SCALE HEIGHT, KM							
950	462.4	468.9	442.4		484.5	462.3	513.2	585.0
900	400.3	415.9	415.5	395.0	414.9	431.8	439.1	496.7
850	339.4	359.3	365.3	397.0	359.1	380.3	380.5	411.6
800	301.9	310.6	319.7	360.2	313.0	335.2	343.3	364.7
750	261.9	272.4	279.6	279.3	274.5	294.6	302.6	317.8
700	199.0	226.1	220.8	218.3	236.9	231.2	250.3	270.7
650	154.4	177.7	176.4	184.7	202.4	201.5	204.9	222.6
600	120.5	140.6	153.4	160.8	170.4	183.5	167.0	179.2
550	104.1	113.6	128.7	138.0	145.9	152.4	153.1	168.3
500	97.0	97.5	110.9	120.0	121.9	128.8	130.7	143.8
450	96.4	91.4	93.2	107.3	103.6	108.3	110.4	118.4
400	111.0	99.7	96.1	98.8	98.9	92.5	101.0	98.7
350		116.6	111.2	104.9	103.4	87.6	102.7	93.7
300				142.4	125.6	132.9	152.4	188.2
LONG	-70.80	-70.55	-70.27	-69.98	-69.66	-69.32	-68.96	-68.37
LAT	-24.25	-26.22	-28.25	-30.27	-32.29	-34.30	-36.32	-39.33
QUAL	23	23	23	23	23	23	23	23

Table III. —Continued

PASS 772 AT AGASTA, 621124					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	201317	201353	201429	201505	201541
1000	0.203	0.222	0.203	0.210	0.198
950	0.227	0.242	0.226	0.235	0.221
900	0.249	0.266	0.249	0.259	0.245
850	0.284	0.297	0.281	0.293	0.278
800	0.326	0.334	0.321	0.335	0.319
750	0.377	0.378	0.370	0.383	0.368
700	0.440	0.457	0.429	0.452	0.425
650	0.557	0.567	0.520	0.553	0.529
600	0.714	0.712	0.668	0.690	0.665
550	0.970	0.912	0.880	0.881	0.849
500	1.399	1.220	1.189	1.165	1.096
450	2.072	1.684	1.634	1.574	1.470
400	3.596	2.398	2.273	2.202	1.989
350	6.193	3.486	3.333	3.142	2.800
300		5.281	4.921	4.595	3.878
HEIGHT	SCALE HEIGHT, KM				
	444.5	549.3	463.3	445.0	449.5
950	444.5	549.3	463.3	445.0	449.5
900	437.9	479.6	447.0	439.5	427.8
850	403.0	421.1	410.0	402.5	393.6
800	368.0	380.5	372.9	364.7	359.3
750	317.6	339.9	335.5	325.8	324.9
700	269.4	297.0	298.2	289.3	290.5
650	233.5	253.6	255.6	255.1	255.9
600	197.6	216.3	207.5	222.7	221.4
550	150.2	187.8	177.9	194.1	203.3
500	136.1	165.4	163.7	174.5	186.4
450	110.1	149.8	156.4	160.0	169.2
400	90.3	137.1	141.8	145.2	157.7
350	106.5	128.8	126.1	135.2	147.5
300		122.9	141.2	135.9	175.8
LONG	-67.95	-67.49	-66.97	-66.42	-65.80
LAT	-41.27	-43.27	-45.26	-47.26	-49.24
QUAL	23	23	23	22	22

Table III.—Continued

PASS 778 AT SOLANT, 621125								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	70719	70755	70831	70907	70943	71224	71300	71412
1000	0.311	0.280	0.236	0.206	0.191	0.167	0.168	0.176
950	0.362	0.322	0.277	0.240	0.216	0.176	0.178	0.187
900	0.421	0.375	0.326	0.281	0.251	0.189	0.191	0.200
850	0.497	0.445	0.389	0.340	0.304	0.208	0.205	0.216
800	0.606	0.545	0.474	0.415	0.371	0.234	0.224	0.240
750	0.749	0.679	0.591	0.517	0.450	0.276	0.258	0.272
700	0.941	0.853	0.744	0.671	0.561	0.334	0.313	0.328
650	1.193	1.085	0.952	0.879	0.734	0.423	0.397	0.416
600	1.532	1.438	1.253	1.167	0.965	0.573	0.546	0.578
550	2.040	1.938	1.703	1.579	1.299	0.819	0.817	0.840
500	2.775	2.716	2.408	2.194	1.826	1.218	1.246	1.245
450	3.746	3.825	3.422	3.128	2.593	1.924	1.975	1.936
400		5.344	4.873	4.477	3.673	3.082	3.105	3.007
350			6.312		5.180	4.686	4.652	4.476
300								
HEIGHT	SCALE HEIGHT, KM							
	70719	70755	70831	70907	70943	71224	71300	71412
950	331.3	330.9	309.6	309.0	361.2	844.0	816.4	819.9
900	320.4	314.9	291.5	286.7	310.5	646.7	706.9	696.1
850	263.5	272.8	268.5	267.6	274.4	474.3	632.3	570.3
800	250.9	235.4	241.1	244.0	249.8	360.4	498.6	427.9
750	238.4	228.8	227.3	205.9	234.3	299.3	285.3	333.8
700	219.7	216.6	216.9	197.6	217.8	245.4	237.6	249.8
650	204.6	193.0	197.3	187.3	199.7	193.1	187.9	187.7
600	193.5	179.5	173.4	170.5	179.3	148.8	133.6	137.2
550	168.6	153.6	155.0	162.5	158.9	134.2	127.4	132.2
500	166.9	151.9	143.5	146.9	144.9	116.8	113.1	121.4
450	161.7	141.8	142.5	138.6	146.2	106.3	109.1	113.7
400		184.1	154.1	155.9	142.4	110.1	115.9	118.4
350			453.0		161.9	140.1	136.0	150.2
300								
LONG	-82.31	-80.60	-79.20	-77.91	-76.83	-73.20	-72.58	-71.54
LAT	-65.40	-63.53	-61.63	-59.71	-57.78	-49.03	-47.06	-43.10
QUAL	33	22	32	33	32	32	22	33

Table III.—Continued

PASS 778 AT SULANT, 621125			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	71448	71523	71559
1000	0.183	0.168	0.157
950	0.193	0.176	0.165
900	0.204	0.185	0.175
850	0.219	0.193	0.188
800	0.238	0.217	0.206
750	0.270	0.267	0.226
700	0.323	0.301	0.266
650	0.410	0.331	0.338
600	0.562	0.500	0.481
550	0.807	0.748	0.707
500	1.171	1.126	1.047
450	1.782	1.754	1.579
400	2.770	2.771	2.472
350	4.149		3.883
300			
HEIGHT	SCALE HEIGHT, KM		
	920.9	973.2	920.5
950	920.9	973.2	920.5
900	781.6	859.9	780.6
850	653.3	746.5	650.4
800	513.7	439.3	545.7
750	339.1	289.0	445.9
700	255.6	284.1	242.6
650	186.7	259.2	166.9
600	143.6	127.0	135.7
550	136.1	121.4	128.3
500	125.0	119.5	127.4
450	116.1	113.6	118.5
400	119.6	108.7	109.5
350	126.8		128.4
300			
LONG	-71.08	-70.67	-70.27
LAT	-41.11	-39.18	-37.19
QUAL	33	33	33

Table III.—Continued

PASS 786 AT RESLUT, 621125			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	201230	201248	201306
1000	0.043	0.039	0.189
950	0.052	0.045	0.209
900	0.060	0.053	0.231
850	0.070	0.062	0.255
800	0.083	0.072	0.279
750	0.096	0.085	0.309
700	0.112	0.101	0.344
650	0.130	0.120	0.385
600	0.154	0.143	0.437
550	0.166	0.174	0.511
500	0.228	0.214	0.608
450	0.291	0.267	0.720
400	0.368	0.333	0.805
350	0.439	0.406	
300			
HEIGHT	SCALE HEIGHT, KM		
950	311.1	321.0	489.3
900	321.7	319.4	507.7
850	319.3	314.9	518.3
800	321.9	310.4	514.9
750	328.9	305.5	485.4
700	330.2	300.6	461.3
650	317.7	289.0	428.7
600	278.4	272.1	350.5
550	253.3	249.5	311.4
500	231.2	238.1	293.6
450	217.6	233.5	344.7
400	243.0	232.9	817.3
350	392.0	324.9	
300			
LONG	-161.59	-155.62	-149.98
LAT	80.29	80.18	79.96
QUAL	31	31	21

Table III.—Continued

PASS 786 AT OTTAWA, 621125								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	202257	202313	202349	202554	202630	202706	202742	202911
1000	0.115	0.115	0.116	0.118	0.115	0.113	0.120	0.217
950	0.134	0.134	0.133	0.133	0.131	0.129	0.137	0.233
900	0.158	0.157	0.154	0.153	0.147	0.147	0.155	0.247
850	0.184	0.183	0.180	0.174	0.167	0.170	0.177	0.270
800	0.215	0.215	0.210	0.200	0.191	0.196	0.203	0.303
750	0.253	0.254	0.247	0.233	0.221	0.229	0.236	0.352
700	0.304	0.303	0.293	0.280	0.259	0.267	0.280	0.414
650	0.369	0.364	0.360	0.337	0.312	0.326	0.336	0.493
600	0.463	0.453	0.444	0.418	0.388	0.401	0.414	0.614
550	0.593	0.576	0.566	0.523	0.492	0.509	0.525	0.784
500	0.772	0.745	0.725	0.692	0.649	0.666	0.686	1.012
450	1.038	0.985	0.968	0.932	0.876	0.903	0.928	1.321
400	1.420	1.355	1.315	1.277	1.194	1.238	1.282	1.813
350	1.959	1.903	1.833	1.782	1.665	1.746	1.824	2.573
300	2.770	2.674	2.625	2.810	2.523	2.675	2.812	3.889
HEIGHT	SCALE HEIGHT, KM							
	306.2	311.0	344.5	381.4	414.4	384.2	424.6	1063.3
950	306.2	311.0	344.5	381.4	414.4	384.2	424.6	1063.3
900	313.3	317.7	331.0	380.1	410.2	359.9	386.4	728.6
850	324.0	320.6	326.1	358.1	371.6	344.4	364.1	512.8
800	305.9	302.0	312.9	332.9	342.5	329.8	341.1	391.5
750	283.5	291.2	269.7	307.8	323.6	309.5	314.0	347.5
700	267.0	273.2	264.8	282.0	296.3	289.2	287.9	302.3
650	248.1	251.5	246.7	257.3	255.6	256.2	262.6	254.0
600	218.1	223.5	228.6	230.5	225.3	227.9	230.6	230.7
550	198.1	203.8	210.7	203.7	202.1	202.2	200.0	214.0
500	184.4	192.8	192.8	182.0	183.2	180.9	178.6	196.0
450	164.0	172.4	171.1	167.0	167.6	164.4	162.1	176.0
400	165.9	152.5	159.5	155.6	154.1	157.0	149.3	155.5
350	144.7	145.9	141.2	136.2	134.7	132.9	131.1	129.7
300	139.5	151.5	145.0	91.0	117.5	109.9	108.4	118.4
LONG	-93.80	-92.95	-92.27	-90.33	-89.89	-89.47	-89.08	-88.23
LAT	53.34	51.36	49.38	42.44	40.43	38.41	36.40	31.40
QUAL	31	22	23	23	13	23	22	33

Table III.—Continued

PASS 786 AT OTTAWA, 621125		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	203023	203113
1000	0.190	0.156
950	0.204	0.174
900	0.218	0.191
850	0.244	0.216
800	0.273	0.244
750	0.307	0.282
700	0.364	0.331
650	0.439	0.395
600	0.537	0.483
550	0.691	0.613
500	0.900	0.803
450	1.203	1.092
400	1.685	1.531
350	2.412	2.303
300	3.830	3.683
HEIGHT	SCALE HEIGHT, KM	
	203023	203113
950	925.8	666.6
900	623.0	481.9
850	445.8	403.9
800	407.5	371.3
750	365.8	341.0
700	296.5	311.0
650	253.8	270.9
600	225.7	231.4
550	205.2	198.9
500	184.2	175.6
450	162.8	158.3
400	140.7	136.5
350	128.3	108.7
300	106.7	115.2
LONG	-87.63	-87.25
LAT	27.34	24.53
QUAL	22	22

Table III. —Continued

PASS 786 AT QUITOE, 621125								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	203023	203134	203858	203934	204010	204045	204139	204215
1000	0.196	0.188	0.248	0.250	0.265	0.263	0.266	0.275
950	0.209	0.208	0.272	0.274	0.290	0.293	0.299	0.306
900	0.228	0.229	0.294	0.306	0.322	0.327	0.333	0.342
850	0.257	0.260	0.323	0.345	0.370	0.372	0.384	0.392
800	0.269	0.299	0.417	0.416	0.440	0.461	0.463	0.465
750	0.334	0.342	0.635	0.520	0.547	0.589	0.579	0.591
700	0.400	0.394	0.810	0.696	0.735	0.758	0.784	0.803
650	0.466	0.500	0.966	0.955	1.051	1.161	1.238	1.191
600	0.598	0.641	1.360	1.445	1.709	1.923	2.108	2.045
550	0.774	0.823	2.275	2.489	2.970	3.315	3.712	3.674
500	1.059	1.094	3.830	4.357	5.169	5.830	6.301	6.277
450	1.452	1.462	6.477	7.470	8.689	8.959	9.176	9.421
400	2.205	2.104	10.787	12.074				
350	3.536	3.230						
300	5.599	5.729						
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	514.2	528.9	656.6	495.0	520.4	457.4	493.1	446.1
900	620.6	473.0	528.0	443.5	412.2	397.5	400.4	402.7
850	452.8	411.7	406.0	321.9	321.1	319.8	311.9	332.7
800	378.6	363.8	293.4	269.6	273.1	244.4	262.1	257.8
750	328.9	324.3	175.2	219.1	207.5	197.4	204.3	188.0
700	292.2	285.2	181.0	180.6	155.6	168.4	143.4	154.0
650	256.2	255.1	166.7	148.0	125.7	105.5	96.9	109.4
600	221.7	224.9	101.8	107.4	97.8	97.7	89.6	87.3
550	188.9	196.8	97.3	90.0	88.9	86.9	90.7	87.2
500	162.0	178.9	96.7	91.1	93.1	97.3	109.0	105.1
450	137.7	158.0	97.0	97.3	114.6	144.5	153.8	137.7
400	109.3	128.0	105.6	139.1				
350	108.8	109.2						
300	113.3	80.4						
LONG	-87.63	-87.10	-84.52	-84.33	-84.14	-83.95	-83.65	-83.44
LAT	27.34	23.34	-1.79	-3.83	-5.87	-7.85	-10.90	-12.94
QUAL	23	22	23	23	23	32	33	33

Table III.—Continued

PASS 786 AT QUITOE, 621125					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	204251	204327	204403	204438	204532
1000	0.277	0.270	0.263	0.263	0.252
950	0.303	0.294	0.286	0.287	0.277
900	0.337	0.325	0.314	0.316	0.309
850	0.386	0.372	0.378	0.363	0.357
800	0.461	0.445	0.488	0.449	0.420
750	0.569	0.545	0.613	0.562	0.504
700	0.783	0.730	0.746	0.696	0.608
650	1.169	1.074	1.094	0.922	0.816
600	1.911	1.639	1.649	1.416	1.148
550	3.350	2.803	2.678	2.238	1.743
500	6.087	5.234	4.845	3.838	2.765
450	9.797	9.441	8.871	6.638	4.737
400				11.883	8.356
350					13.888
300					
HEIGHT	SCALE HEIGHT, KM				
	481.3	507.8	546.2	521.5	478.7
950	481.3	507.8	546.2	521.5	478.7
900	416.2	432.3	409.9	425.3	388.0
850	337.7	352.7	320.0	344.6	351.5
800	256.3	267.8	247.1	287.3	315.0
750	204.8	215.4	213.5	235.1	269.3
700	151.3	162.0	193.8	207.3	220.6
650	115.7	127.4	126.5	147.0	177.6
600	96.7	107.6	116.4	111.3	133.6
550	80.5	87.8	94.2	102.4	118.1
500	92.0	76.8	79.5	89.0	100.7
450	126.9	94.3	87.6	96.3	87.6
400				87.0	90.1
350					133.0
300					
LONG	-83.23	-83.01	-82.79	-82.56	-82.19
LAT	-14.98	-17.02	-19.05	-21.02	-24.07
QUAL	33	33	33	33	33

Table III.—Continued

PASS 786 AT AGASTA, 621125								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	204420	204456	204533	204610	204653	204730	204805	204841
1000	0.278	0.271	0.260	0.225	0.239	0.248	0.229	0.266
950	0.308	0.309	0.291	0.254	0.265	0.269	0.250	0.281
900	0.344	0.346	0.327	0.286	0.294	0.297	0.273	0.304
850	0.390	0.398	0.381	0.334	0.335	0.339	0.308	0.338
800	0.445	0.465	0.450	0.395	0.388	0.386	0.351	0.379
750	0.548	0.547	0.537	0.470	0.459	0.443	0.405	0.427
700	0.698	0.708	0.661	0.568	0.564	0.550	0.488	0.508
650	0.954	0.957	0.869	0.748	0.744	0.707	0.618	0.632
600	1.414	1.365	1.225	1.022	1.018	0.944	0.811	0.808
550	2.213	2.175	1.841	1.468	1.479	1.331	1.142	1.098
500	3.880	3.767	2.965	2.326	2.256	2.065	1.686	1.535
450	7.125	6.977	5.235	4.004	3.746	3.459	2.660	2.300
400	12.331	12.234	9.358	7.168	6.504	5.903	4.480	3.732
350					11.044	9.706	7.852	6.305
300							12.082	10.097
HEIGHT	SCALE HEIGHT, KM							
	456.3	407.5	409.2	397.5	457.8	611.6	516.1	740.5
950	456.3	407.5	409.2	397.5	457.8	611.6	516.1	740.5
900	416.6	388.1	369.4	366.0	424.3	508.5	483.3	607.9
850	364.6	346.6	336.5	324.7	375.2	411.6	427.5	476.2
800	311.4	302.0	303.6	292.0	324.3	359.3	371.0	419.6
750	254.5	256.8	264.3	265.4	275.0	306.8	309.9	363.0
700	195.8	200.5	217.3	234.0	220.8	226.3	253.1	277.9
650	140.2	157.3	167.4	176.2	172.2	189.4	203.2	216.0
600	121.9	126.9	136.0	153.6	148.4	162.5	167.1	186.3
550	100.1	98.8	117.0	125.8	128.9	133.5	138.7	162.8
500	86.5	82.9	96.6	100.0	109.1	105.7	120.8	137.5
450	83.9	87.4	85.5	84.3	95.9	94.6	101.6	113.7
400	103.3	92.5	87.9	97.7	88.9	98.6	92.6	100.1
350					96.8	103.1	94.7	95.7
300							176.5	143.4
LONG	-82.68	-82.44	-82.18	-81.91	-81.57	-81.26	-80.96	-80.61
LAT	-20.01	-22.03	-24.12	-26.21	-28.63	-30.70	-32.67	-34.66
QUAL	23	23	23	23	23	23	23	23

Table III.—Continued

PASS 786 AT AGASTA, 621125							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	204917	204952	205029	205104	205140	205216	205250
1000	0.264	0.234	0.237	0.211	0.234	0.216	0.208
950	0.262	0.257	0.260	0.230	0.257	0.239	0.227
900	0.301	0.282	0.288	0.254	0.283	0.265	0.251
850	0.327	0.314	0.319	0.285	0.314	0.296	0.279
800	0.359	0.352	0.355	0.323	0.352	0.337	0.313
750	0.409	0.396	0.406	0.367	0.398	0.388	0.362
700	0.468	0.476	0.470	0.437	0.467	0.450	0.422
650	0.598	0.581	0.573	0.534	0.570	0.529	0.513
600	0.747	0.727	0.725	0.674	0.720	0.677	0.640
550	1.011	0.947	0.950	0.876	0.942	0.879	0.827
500	1.399	1.290	1.281	1.207	1.271	1.169	1.112
450	2.019	1.815	1.794	1.748	1.773	1.609	1.516
400	3.144	2.729	2.675	2.618	2.603	2.268	2.139
350	5.198	4.556	4.279	4.204	3.968	3.336	3.207
300	8.435	7.686	7.040	6.516	5.908	5.127	4.851
HEIGHT	SCALE HEIGHT, KM						
	204917	204952	205029	205104	205140	205216	205250
950	737.1	541.0	514.8	517.4	508.8	480.2	538.1
900	653.8	502.9	501.7	470.3	492.0	453.5	486.5
850	582.4	460.4	456.7	424.9	456.0	421.0	435.2
800	510.9	401.8	406.9	381.9	410.0	381.3	387.7
750	323.1	343.3	359.4	339.1	356.2	342.6	345.7
700	273.9	301.8	311.9	290.2	301.3	305.0	303.5
650	236.8	260.5	256.7	239.3	245.7	267.0	254.1
600	201.9	214.5	202.0	208.6	206.2	225.3	214.1
550	160.7	177.6	182.1	179.0	179.0	189.2	186.2
500	147.3	156.9	160.8	146.5	160.5	167.6	169.4
450	126.4	136.2	139.3	130.1	140.5	152.0	153.5
400	107.6	110.2	115.7	116.6	125.7	139.7	135.8
350	92.1	91.8	99.0	104.0	117.1	121.2	120.6
300	125.0	111.8	126.7	161.4	175.4	127.3	128.2
LONG	-80.25	-79.88	-79.44	-79.00	-78.50	-77.96	-77.40
LAT	-36.69	-38.64	-40.70	-42.05	-44.64	-46.63	-48.51
QUAL	23	23	23	22	22	23	22

Table III.—Continued

PASS 786 AT SOLANT, 621125								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	204917	204952	205028	205104	205140	205216	205251	205327
1000	0.243	0.211	0.213	0.195	0.202	0.189	0.183	0.175
950	0.252	0.232	0.232	0.213	0.224	0.209	0.202	0.193
900	0.267	0.253	0.256	0.236	0.246	0.231	0.226	0.213
850	0.298	0.281	0.281	0.262	0.271	0.257	0.252	0.237
800	0.331	0.318	0.315	0.297	0.304	0.291	0.284	0.267
750	0.377	0.363	0.365	0.343	0.350	0.335	0.327	0.306
700	0.443	0.429	0.433	0.406	0.411	0.395	0.387	0.361
650	0.537	0.523	0.518	0.498	0.498	0.480	0.467	0.434
600	0.691	0.655	0.666	0.618	0.630	0.607	0.599	0.537
550	0.936	0.878	0.870	0.829	0.834	0.793	0.804	0.725
500	1.308	1.198	1.202	1.138	1.522	1.083	1.092	0.969
450	1.928	1.696	1.682	1.635	1.933	1.531	1.469	1.279
400	2.988	2.608	2.462	2.461	2.658	2.241	2.099	1.844
350	4.952	4.397	3.951	3.962	3.982	3.477	3.120	2.786
300	8.176	7.558	6.619	6.286	5.903	5.380	4.826	4.362
HEIGHT	SCALE HEIGHT, KM							
	051.9	554.6	541.2	529.7	503.1	496.5	482.7	510.5
950	697.4	512.3	521.4	481.2	520.2	474.7	463.3	487.0
900	470.9	448.8	480.6	433.6	465.2	446.2	435.4	442.0
850	418.4	388.5	392.1	382.4	399.1	375.6	384.1	391.2
800	351.2	334.1	325.8	316.0	341.9	335.7	330.9	331.1
750	296.1	278.8	276.5	261.8	276.5	271.5	281.7	292.5
700	234.1	237.1	236.5	237.0	238.8	241.6	226.0	258.0
650	182.6	201.1	206.2	212.2	208.8	210.0	195.6	192.7
600	157.5	178.5	177.2	180.4	186.2	177.5	177.3	171.3
550	142.8	156.2	160.1	149.9	137.9	155.0	166.0	167.0
500	125.5	134.4	142.7	135.4	159.4	141.0	157.6	159.5
450	110.2	107.2	123.6	114.4	122.8	124.3	138.5	133.0
400	95.9	92.7	98.5	105.7	125.5	114.5	120.6	115.7
350	110.3	101.9	108.4	127.7	166.7	129.5	131.9	119.9
300								
LONG	-80.25	-79.88	-79.45	-78.99	-78.50	-77.96	-77.39	-76.72
LAT	-36.69	-38.64	-40.65	-42.65	-44.64	-46.63	-48.56	-50.54
QUAL	21	22	21	22	22	22	21	22

Table III. —Continued

PASS 786 AT SOLANT, 621125								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	205403	205438	205515	205551	205642	205717	205753	205832
1000	0.170	0.166	0.164	0.164	0.155	0.183	0.203	0.224
950	0.187	0.183	0.183	0.181	0.174	0.204	0.231	0.253
900	0.208	0.203	0.205	0.202	0.197	0.231	0.259	0.289
850	0.231	0.226	0.231	0.227	0.225	0.261	0.291	0.330
800	0.260	0.254	0.261	0.257	0.258	0.296	0.331	0.378
750	0.298	0.292	0.299	0.294	0.298	0.343	0.381	0.436
700	0.347	0.340	0.347	0.342	0.350	0.403	0.445	0.512
650	0.414	0.408	0.414	0.406	0.419	0.478	0.527	0.610
600	0.516	0.498	0.504	0.510	0.516	0.589	0.640	0.743
550	0.672	0.638	0.639	0.663	0.652	0.737	0.812	0.930
500	0.881	0.846	0.825	0.835	0.853	0.941	1.045	1.201
450	1.230	1.112	1.090	1.073	1.129	1.257	1.348	1.553
400	1.696	1.532	1.489	1.468	1.510	1.697	1.763	2.018
350	2.513	2.181	2.060	1.998	2.031	2.180	2.305	2.651
300	3.942	3.248	2.957	2.691	2.714	2.865	2.950	3.246
HEIGHT	SCALE HEIGHT, KM							
	205403	205438	205515	205551	205642	205717	205753	205832
950	502.6	502.2	446.4	475.6	405.3	429.0	418.7	393.1
900	471.1	465.1	434.0	445.6	390.0	415.3	433.5	379.2
850	442.4	436.8	416.8	422.4	374.7	399.4	407.0	374.2
800	400.9	400.5	387.8	387.2	358.0	370.6	378.0	359.1
750	349.9	344.4	354.4	351.5	324.8	327.1	333.0	328.4
700	303.6	293.6	302.6	314.4	289.9	302.4	297.9	302.5
650	268.3	265.8	266.2	245.5	266.0	274.8	274.0	272.5
600	205.5	233.5	236.2	223.3	231.7	225.3	247.4	233.9
550	193.4	190.7	211.7	225.8	201.8	212.6	215.9	208.7
500	164.1	191.5	189.8	205.9	189.2	190.1	200.1	203.4
450	150.9	170.9	171.1	182.8	179.2	174.3	195.1	197.9
400	143.0	148.3	161.5	167.6	172.2	194.3	192.0	190.6
350	116.6	136.0	148.9	166.5	173.9	193.2	194.8	201.2
300	122.2	113.3	138.6	173.5	191.4	200.1	250.6	718.5
LONG	-76.02	-75.22	-74.30	-73.30	-71.61	-70.26	-68.70	-66.61
LAT	-52.51	-54.41	-56.42	-58.36	-61.09	-62.94	-64.83	-66.84
QUAL	21	22	22	22	22	22	22	21

Table III. —Continued

PASS 786 AT SULANT, 621125							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	205905	205941	210017	210052	210128	210204	210240
1000	0.237	0.249	0.268	0.296	0.289	0.313	0.337
950	0.266	0.278	0.304	0.337	0.328	0.359	0.387
900	0.300	0.315	0.349	0.386	0.372	0.411	0.447
850	0.342	0.358	0.399	0.441	0.422	0.470	0.514
800	0.393	0.412	0.463	0.508	0.485	0.540	0.590
750	0.456	0.478	0.549	0.592	0.564	0.638	0.682
700	0.536	0.562	0.658	0.703	0.660	0.774	0.807
650	0.641	0.679	0.813	0.847	0.783	0.951	0.970
600	0.770	0.832	1.012	1.057	0.951	1.208	1.195
550	0.936	1.051	1.297	1.342	1.182	1.540	1.486
500	1.242	1.342	1.636	1.753	1.510	2.014	1.882
450	1.627	1.748	2.141	2.276	1.970	2.615	2.397
400	2.102	2.279	2.749		2.655	3.364	
350	2.693	2.932	3.387		3.545	4.044	
300	3.244	3.425					
HEIGHT	SCALE HEIGHT, KM						
	205905	205941	210017	210052	210128	210204	210240
950	421.0	429.9	386.9	385.2	404.0	362.9	366.1
900	400.9	398.7	372.2	371.3	395.1	374.1	354.3
850	371.0	374.3	347.6	363.6	374.8	366.6	358.2
800	348.3	348.2	308.5	339.8	346.7	327.1	353.3
750	315.4	320.4	287.2	303.2	326.3	281.9	320.9
700	281.4	280.2	265.9	274.9	304.0	247.7	280.3
650	267.7	256.1	242.4	250.7	272.5	224.1	253.2
600	254.0	235.7	220.0	227.2	243.1	212.3	239.0
550	238.5	218.2	217.3	203.9	219.9	201.1	225.3
500	209.5	201.8	201.2	198.2	199.6	197.5	213.4
450	192.4	195.6	191.0	195.0	181.6	198.3	205.1
400	199.9	192.4	218.2		170.9	220.4	
350	218.1	234.9	291.6		218.3	429.4	
300	502.3	531.1					
LONG	-64.68	-62.02	-58.89	-55.34	-50.54	-45.17	-37.87
LAT	-68.52	-70.31	-72.05	-73.69	-75.25	-76.75	-78.02
QUAL	22	22	22	23	32	32	33

Table III. —Continued

PASS 793 AT RESLUT, 621126								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	82318	82404	82422	82457	82515	82609	82627	82703
1000	0.006	0.010	0.008	0.013	0.030	0.021	0.035	0.028
950	0.010	0.012	0.012	0.017	0.036	0.025	0.040	0.034
900	0.013	0.016	0.016	0.022	0.042	0.032	0.047	0.040
850	0.016	0.020	0.020	0.027	0.050	0.038	0.056	0.048
800	0.020	0.025	0.025	0.033	0.058	0.046	0.067	0.058
750	0.024	0.031	0.031	0.040	0.069	0.056	0.079	0.070
700	0.030	0.040	0.039	0.049	0.082	0.067	0.094	0.088
650	0.036	0.051	0.051	0.060	0.100	0.083	0.115	0.111
600	0.045	0.065	0.065	0.075	0.125	0.105	0.141	0.142
550	0.057	0.085	0.085	0.095	0.162	0.136	0.178	0.191
500	0.074	0.115	0.113	0.121	0.218	0.185	0.229	0.260
450	0.097	0.161	0.157	0.163	0.302	0.267	0.303	0.365
400	0.132	0.227	0.221	0.223	0.428	0.395	0.416	0.520
350	0.188	0.318	0.317	0.320	0.595	0.573	0.582	0.727
300	0.288	0.468	0.461	0.489	0.781		0.804	0.945
HEIGHT	SCALE HEIGHT, KM							
	82318	82404	82422	82457	82515	82609	82627	82703
950		219.4				260.4	327.9	279.6
900		196.5	192.0		313.7	239.6	300.5	279.8
850	223.7	206.0	210.0	237.9	317.7	253.0	289.6	272.2
800	240.3	215.6	218.2	246.6	308.8	264.1	290.8	257.2
750	242.5	216.8	210.9	249.9	282.2	262.3	291.6	235.8
700	241.9	210.9	202.3	247.1	261.5	247.3	266.1	221.0
650	240.6	201.8	199.7	229.6	240.8	223.2	245.5	208.1
600	224.3	189.8	197.0	215.8	220.1	210.4	226.9	193.5
550	198.4	177.4	186.7	205.2	183.2	187.1	209.8	174.9
500	187.6	160.5	167.9	193.7	162.7	150.6	192.5	158.3
450	176.8	146.5	151.2	172.2	151.0	133.8	174.9	146.1
400	160.9	147.7	143.3	151.8	146.7	131.2	156.0	146.9
350	138.1	139.5	138.3	133.1	167.2	150.8	152.8	168.6
300	105.8	131.9	132.8	119.5	233.0		175.4	299.5
LONG	-62.90	-60.90	-59.91	-57.99	-56.74	-52.58	-50.79	-47.09
LAT	62.70	65.13	66.06	67.86	68.77	71.44	72.29	73.99
QUAL	23	23	32	33	32	32	31	31

Table III.—Continued

PASS 793 AT RESLUT, 621126								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	82814	82908	82926	82944	83001	83019	83055	83113
1000	0.021	0.019	0.020	0.054	0.046	0.040	0.024	0.025
950	0.026	0.024	0.025	0.064	0.056	0.045	0.028	0.028
900	0.032	0.030	0.031	0.075	0.066	0.053	0.032	0.033
850	0.039	0.037	0.039	0.088	0.077	0.062	0.038	0.039
800	0.048	0.046	0.050	0.103	0.091	0.072	0.045	0.046
750	0.062	0.059	0.065	0.121	0.109	0.085	0.052	0.055
700	0.080	0.076	0.084	0.146	0.131	0.102	0.061	0.065
650	0.102	0.100	0.114	0.183	0.159	0.125	0.072	0.076
600	0.137	0.137	0.155	0.231	0.199	0.156	0.084	0.091
550	0.184	0.187	0.224	0.293	0.251	0.201	0.100	0.110
500	0.258	0.278		0.374	0.324	0.268	0.122	0.136
450	0.366			0.486	0.424	0.367	0.159	0.178
400	0.517			0.635	0.573	0.512	0.214	0.244
350				0.829	0.763	0.676	0.343	0.385
300				1.067	1.023	0.882	0.693	0.710
HEIGHT	SCALE HEIGHT, KM							
	251.4	218.7	230.2	293.9	290.8	344.3	346.8	328.3
950	251.4	218.7	230.2	293.9	290.8	344.3	346.8	328.3
900	240.4	231.5	213.3	308.7	306.0	320.3	316.5	311.1
850	234.9	226.2	210.6	316.4	306.7	316.1	309.4	303.8
800	214.0	206.3	201.4	310.0	291.9	311.8	314.7	294.7
750	204.2	196.8	190.9	286.4	275.5	292.7	316.0	292.9
700	198.2	189.5	179.2	238.1	258.2	258.1	317.3	296.1
650	192.3	180.3	166.7	231.7	240.4	236.4	307.3	299.2
600	178.4	166.6	153.9	225.2	224.7	213.9	295.4	276.6
550	162.7	148.5	132.9	215.5	210.1	190.3	270.0	247.2
500	152.0	112.8		200.1	193.4	172.8	220.1	210.6
450	146.2			192.6	176.0	153.3	184.5	181.3
400	145.3			189.8	176.7	165.4	151.2	141.2
350				196.0	177.4	186.4	88.3	101.3
300				202.1	179.5	171.1	68.2	68.7
LONG	-36.34	-24.97	-20.03	-15.09	-10.37	-4.42	7.49	13.30
LAT	76.96	78.81	79.25	79.68	80.08	80.20	80.45	80.33
QUAL	33	33	33	33	31	31	11	23

Table III.—Continued

PASS 793 AT RESLUT, 621126		
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)		
HEIGHT	TIME (UT)	
	83131	83149
1000	0.042	0.036
950	0.051	0.041
900	0.060	0.047
850	0.070	0.056
800	0.079	0.065
750	0.068	0.075
700	0.096	0.085
650	0.111	0.098
600	0.126	0.112
550	0.146	0.131
500	0.178	0.158
450	0.231	0.195
400	0.314	0.275
350	0.458	0.425
300	0.775	0.800
HEIGHT	SCALE HEIGHT, KM	
950		385.3
900		336.4
850		335.4
800	424.9	344.4
750	440.0	367.0
700	431.3	369.3
650	410.1	362.6
600	362.9	353.1
550	290.7	280.8
500	229.2	243.4
450	191.0	205.9
400	155.1	153.9
350	115.1	86.6
300	86.2	87.1
LONG	19.07	24.83
LAT	80.11	79.89
QUAL	22	23

Table III. —Continued

PASS 840 AT RESLUT, 621129							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	191154	191228	191304	191340	191358	191451	191509
1000	0.015	0.013	0.022	0.034	0.064	0.131	0.136
950	0.017	0.015	0.024	0.039	0.073	0.151	0.155
900	0.020	0.017	0.027	0.044	0.083	0.173	0.178
850	0.024	0.019	0.030	0.050	0.095	0.197	0.206
800	0.028	0.022	0.033	0.057	0.110	0.227	0.239
750	0.033	0.026	0.039	0.065	0.128	0.272	0.281
700	0.041	0.032	0.049	0.077	0.155	0.333	0.336
650	0.053	0.042	0.062	0.097	0.196	0.412	0.410
600	0.069	0.057	0.081	0.127	0.255	0.517	0.513
550	0.095	0.081	0.108	0.168	0.334	0.643	0.652
500	0.142	0.120	0.148	0.222	0.446	0.833	0.844
450	0.224	0.183	0.218	0.326	0.585	1.092	1.112
400	0.340	0.287	0.332	0.448	0.752	1.427	1.469
350	0.465	0.414	0.477	0.562	0.941	1.852	1.929
300	0.668	0.552	0.722	0.653		2.320	2.489
HEIGHT	SCALE HEIGHT, KM						
	191154	191228	191304	191340	191358	191451	191509
950			433.9	379.6	399.5	353.6	362.8
900	260.1	406.4	478.1	391.8	359.3	368.9	350.6
850	308.4	376.1	435.7	386.1	347.7	367.7	336.5
800	304.4	337.4	375.3	363.5	336.1	299.9	320.2
750	270.2	265.7	275.1	322.6	316.7	276.9	299.1
700	211.1	201.5	221.2	256.7	234.9	257.0	267.6
650	186.7	175.3	199.0	216.5	205.5	239.2	235.1
600	173.5	159.7	165.4	188.3	195.7	227.4	219.7
550	143.2	135.0	169.6	174.4	186.6	215.6	205.1
500	116.6	123.2	149.0	159.3	178.3	197.2	191.6
450	113.8	115.1	119.0	141.5	192.1	187.3	185.5
400	132.4	124.0	128.3	190.5	212.2	190.9	183.8
350	148.1	155.6	126.8	273.4	275.1	210.7	192.4
300	161.1	188.6	107.5	387.9		245.0	217.6
LONG	-136.08	-127.69	-119.54	-113.60	-110.63	-104.37	-102.57
LAT	79.51	78.53	77.37	75.92	75.19	72.77	71.92
QUAL	33	33	33	32	32	33	33

Table III.—Continued

PASS 840 AT RESLUT, 621129			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	191527	192020	192040
1000	0.155	0.165	0.155
950	0.175	0.191	0.179
900	0.197	0.223	0.207
850	0.226	0.259	0.241
800	0.262	0.303	0.285
750	0.310	0.369	0.340
700	0.370	0.454	0.407
650	0.453	0.563	0.502
600	0.563	0.707	0.635
550	0.723	0.897	0.826
500	0.940	1.149	1.080
450	1.248	1.484	1.427
400	1.651	1.985	1.932
350	2.201	2.715	2.630
300	2.892	3.754	3.722
HEIGHT	SCALE HEIGHT, KM		
	191527	192020	192040
950	400.0	328.5	343.6
900	377.4	328.1	332.8
850	348.4	311.6	314.5
800	319.5	289.5	286.9
750	295.0	264.9	274.9
700	270.5	233.0	260.0
650	245.5	223.7	227.2
600	220.3	220.2	207.4
550	202.4	207.6	197.5
500	187.1	198.0	187.1
450	183.3	186.9	175.9
400	175.7	166.7	163.8
350	180.7	158.7	156.0
300	208.6	172.6	153.3
LONG	-101.06	-87.15	-86.66
LAT	71.04	55.69	54.60
QUAL	33	33	33

Table III.—Continued

PASS 840 AT SOLANT, 621129								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	194555	194610	194646	194722	194758	194833	194909	194945
1000	0.221	0.212	0.215	0.234	0.212	0.207	0.224	0.223
950	0.240	0.225	0.228	0.243	0.225	0.220	0.237	0.241
900	0.263	0.245	0.244	0.258	0.242	0.234	0.254	0.265
850	0.295	0.271	0.270	0.287	0.264	0.255	0.280	0.298
800	0.338	0.308	0.302	0.318	0.293	0.283	0.314	0.338
750	0.400	0.359	0.348	0.363	0.330	0.321	0.358	0.386
700	0.497	0.445	0.414	0.426	0.389	0.380	0.418	0.450
650	0.692	0.559	0.510	0.525	0.475	0.458	0.505	0.537
600	0.992	0.765	0.673	0.681	0.593	0.570	0.655	0.670
550	1.417	1.109	0.962	0.914	0.786	0.743	0.865	0.863
500	2.179	1.606	1.401	1.286	1.117	1.023	1.150	1.159
450	3.667	2.662	2.149	1.875	1.572	1.445	1.527	1.566
400	6.074	4.532	3.590	3.007	2.367	2.110	2.225	2.224
350	9.256	7.334	5.911	5.009	3.892	3.278	3.455	3.312
300			8.745	7.952	6.471	5.590	5.748	5.443
HEIGHT	SCALE HEIGHT, KM							
	571.3	707.4	811.1	1046.2	729.3	902.2	808.8	590.9
950	571.3	707.4	811.1	1046.2	729.3	902.2	808.8	590.9
900	492.1	529.0	598.3	683.9	633.9	687.2	642.8	483.7
850	404.7	439.3	475.7	487.0	512.2	528.2	484.7	409.4
800	321.9	342.8	396.7	425.0	463.5	430.1	406.9	384.6
750	277.0	283.4	326.2	347.1	354.9	334.4	353.6	351.1
700	173.7	246.7	267.5	281.2	279.2	299.5	293.9	303.0
650	159.9	210.0	215.1	216.5	238.0	264.6	223.8	258.1
600	146.2	145.7	157.9	184.8	206.0	224.8	207.0	209.0
550	132.2	131.4	145.1	160.6	174.6	175.4	190.2	183.8
500	106.9	121.8	129.1	141.4	145.3	148.3	174.2	170.6
450	96.9	95.7	109.0	122.2	136.2	140.8	156.9	159.3
400	105.5	97.3	99.6	102.2	112.8	127.0	128.5	139.6
350	142.3	129.7	107.8	101.0	97.4	99.7	107.3	118.1
300			182.2	137.3	111.6	96.7	99.1	96.5
LONG	-73.84	-73.55	-73.23	-72.88	-72.51	-72.11	-71.68	-71.21
LAT	-29.53	-31.49	-33.51	-35.52	-37.53	-39.48	-41.48	-43.48
QUAL	23	23	23	22	23	23	23	22

Table III.—Continued

PASS 840 AT SOLANT, 621129								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	195021	195056	195204	195240	195315	195351	195427	195503
1000	0.204	0.212	0.221	0.207	0.214	0.206	0.205	0.203
950	0.226	0.231	0.247	0.227	0.235	0.230	0.230	0.229
900	0.255	0.256	0.276	0.252	0.263	0.257	0.261	0.260
850	0.287	0.287	0.309	0.284	0.297	0.290	0.296	0.296
800	0.326	0.327	0.351	0.326	0.337	0.334	0.341	0.340
750	0.371	0.376	0.414	0.378	0.393	0.388	0.397	0.395
700	0.429	0.440	0.498	0.448	0.463	0.456	0.469	0.467
650	0.509	0.535	0.621	0.544	0.562	0.550	0.570	0.565
600	0.643	0.696	0.784	0.678	0.719	0.688	0.714	0.708
550	0.856	0.951	1.018	0.911	0.953	0.875	0.902	0.894
500	1.131	1.282	1.333	1.267	1.264	1.156	1.185	1.178
450	1.511	1.700	1.797	1.727	1.674	1.559	1.580	1.568
400	2.171	2.434	2.491	2.363	2.333	2.150	2.142	2.132
350	3.312	3.540	3.523	3.361	3.276	3.036	2.977	2.920
300	5.095	5.022	4.840	4.699		4.244	4.132	
HEIGHT	SCALE HEIGHT, KM							
	195021	195056	195204	195240	195315	195351	195427	195503
950	457.5	532.4	448.2	492.2	477.3	453.5	417.5	406.3
900	419.3	465.0	454.5	440.8	427.2	424.2	394.5	389.3
850	408.6	410.1	428.3	402.2	399.8	383.3	375.2	372.1
800	393.7	372.5	329.0	346.9	360.6	348.0	349.8	346.0
750	372.8	338.0	297.2	308.1	314.8	322.2	315.2	317.0
700	309.2	281.4	265.4	282.1	282.7	284.1	271.5	278.0
650	266.0	226.1	235.7	246.3	228.4	240.3	237.7	238.0
600	193.8	195.8	206.9	204.2	194.3	220.8	222.3	222.8
550	174.1	179.2	194.4	157.6	187.6	201.0	206.3	207.7
500	170.4	168.4	171.8	156.6	178.5	180.0	185.2	186.9
450	159.4	159.4	162.2	159.1	166.7	164.4	170.7	171.0
400	130.3	140.5	152.2	152.4	150.0	154.8	163.0	165.0
350	116.2	138.5	145.6	144.7	148.1	146.6	149.4	149.8
300	137.4	188.9	206.9	187.4		177.9	203.1	
LONG	-70.69	-70.15	-68.94	-68.17	-67.37	-66.46	-65.39	-64.24
LAT	-45.47	-47.41	-51.14	-53.11	-55.01	-56.75	-58.89	-60.82
QUAL	22	22	22	22	22	22	22	23

Table III.—Continued

PASS 840 AT SOLANT, 621129								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	195540	195616	195652	195803	195839	195915	195954	200030
1000	0.207	0.222	0.231	0.259	0.278	0.293	0.410	0.438
950	0.233	0.249	0.262	0.291	0.312	0.333	0.462	0.492
900	0.263	0.280	0.297	0.329	0.354	0.380	0.524	0.562
850	0.300	0.319	0.339	0.375	0.404	0.436	0.600	0.645
800	0.345	0.367	0.391	0.432	0.465	0.508	0.690	0.744
750	0.401	0.425	0.455	0.502	0.542	0.599	0.800	0.873
700	0.478	0.500	0.538	0.592	0.652	0.714	0.938	1.035
650	0.585	0.605	0.647	0.709	0.793	0.876	1.113	1.244
600	0.728	0.756	0.793	0.888	0.984	1.084	1.335	1.535
550	0.906	0.961	1.019	1.122	1.266	1.400	1.651	1.943
500	1.197	1.253	1.320	1.482	1.648	1.836	2.136	2.482
450	1.606	1.659	1.746		2.180	2.464	2.841	3.189
400	2.178	2.228	2.333		2.884	3.300	3.696	4.133
350	2.970	2.979	3.097		3.712	4.274	4.446	
300	3.777	3.696	3.775		4.351			
HEIGHT	SCALE HEIGHT, KM							
	418.6	436.2	401.5	419.7	423.1	385.9	401.6	401.6
950	418.6	436.2	401.5	419.7	423.1	385.9	401.6	401.6
900	395.7	401.9	390.1	393.4	388.6	367.5	383.9	381.2
850	372.5	373.7	363.4	369.8	370.2	347.6	361.7	356.8
800	345.5	351.0	339.4	341.9	333.4	315.6	347.5	330.4
750	299.1	326.9	307.4	316.5	288.4	293.8	328.3	306.4
700	260.8	280.3	278.1	283.7	267.5	255.2	301.4	284.5
650	239.4	240.2	256.1	245.7	248.3	239.3	285.7	252.6
600	225.8	222.7	233.8	225.7	227.9	223.3	261.3	228.5
550	212.2	205.5	210.4	205.8	204.9	200.5	207.3	214.8
500	193.5	189.5	190.5	164.7	187.5	179.9	184.3	204.7
450	172.7	177.8	179.4		180.7	174.5	184.5	200.3
400	166.2	174.4	177.9		187.6	181.3	237.9	208.3
350	167.6	194.6	202.7		243.1	241.5	293.2	
300	353.6	364.1	383.9		447.4			
LONG	-62.80	-61.23	-59.44	-54.88	-51.71	-48.04	-43.27	-37.32
LAT	-62.77	-64.66	-66.52	-68.20	-71.14	-73.52	-75.26	-76.70
QUAL	22	22	22	23	22	32	32	33

Table III.—Continued

PASS 861 AT RESLUT, 6212 1	
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)	
HEIGHT	TIME (UT)
	80436
1000	0.011
950	0.013
900	0.016
850	0.019
800	0.023
750	0.028
700	0.036
650	0.048
600	0.065
550	0.087
500	0.121
450	0.173
400	0.255
350	0.361
300	
HEIGHT	SCALE HEIGHT, KM
950	254.2
900	266.2
850	266.7
800	270.4
750	224.1
700	182.8
650	175.4
600	168.1
550	161.0
500	151.1
450	137.4
400	137.1
350	160.6
300	
LONG	-33.36
LAT	78.13
QUAL	32

Table III.—Continued

PASS 873 AT SOLANT, 6212 2								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	61307	61343	61418	61641	61717	61753	61904	61940
1000	0.272	0.215	0.184	0.121	0.137	0.147	0.146	0.151
950	0.314	0.255	0.214	0.132	0.147	0.159	0.157	0.160
900	0.365	0.297	0.250	0.148	0.158	0.176	0.169	0.179
850	0.427	0.349	0.297	0.169	0.178	0.197	0.186	0.205
800	0.512	0.410	0.363	0.197	0.205	0.228	0.213	0.227
750	0.625	0.486	0.453	0.240	0.246	0.279	0.247	0.254
700	0.766	0.622	0.577	0.307	0.316	0.358	0.301	0.304
650	0.963	0.793	0.747	0.410	0.411	0.473	0.392	0.382
600	1.248	1.032	0.973	0.577	0.601	0.653	0.536	0.496
550	1.672	1.416	1.335	0.847	0.910	0.941	0.782	0.716
500	2.347	2.027	1.911	1.312	1.355	1.432	1.145	1.057
450	3.477	3.095	2.888	2.102	2.033	2.203	1.715	1.638
400	5.242	4.865	4.464	3.350	3.089	3.359	2.607	2.577
350	7.651	7.096	6.391		4.415		3.919	3.941
300								
HEIGHT	SCALE HEIGHT, KM							
	337.8	313.3	323.3	501.5	652.0	547.1	694.2	643.0
950	337.8	313.3	323.3	501.5	652.0	547.1	694.2	643.0
900	323.0	306.9	311.8	407.4	564.2	479.2	587.9	538.7
850	299.2	291.7	266.8	351.8	376.7	396.4	477.6	453.3
800	258.0	276.5	234.7	293.4	310.4	301.5	372.6	438.4
750	247.9	260.2	220.5	232.5	247.9	237.4	301.4	355.0
700	237.8	236.3	208.6	195.4	195.4	195.6	222.0	252.6
650	211.0	212.3	198.7	164.1	165.6	173.7	179.2	210.0
600	183.8	176.9	177.1	140.6	127.3	144.8	141.5	163.3
550	166.2	151.8	150.3	125.0	123.4	130.8	132.8	134.0
500	139.1	128.9	128.0	111.3	124.9	118.2	125.9	124.5
450	122.8	109.8	117.2	105.3	120.0	116.6	122.0	113.3
400	121.2	112.0	119.7	120.5	123.9	128.9	121.9	110.1
350	181.0	226.1	246.7		278.1		144.1	160.5
300								
LONG	-80.18	-78.81	-77.63	-74.03	-73.35	-72.72	-71.66	-71.20
LAT	-63.04	-61.13	-59.27	-51.55	-49.58	-47.61	-43.72	-41.73
QUAL	32	32	22	33	22	33	33	33

Table III.—Continued

PASS 873 AT SOLANT, 6212 2			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	62033	62109	62145
1000	0.154	0.139	0.141
950	0.166	0.149	0.150
900	0.181	0.162	0.161
850	0.199	0.180	0.174
800	0.220	0.201	0.191
750	0.249	0.225	0.214
700	0.297	0.254	0.250
650	0.375	0.310	0.306
600	0.494	0.413	0.400
550	0.720	0.609	0.589
500	1.088	0.931	0.870
450	1.682	1.435	1.344
400	2.649	2.247	2.144
350		3.363	3.377
300			
HEIGHT	SCALE HEIGHT, KM		
	62033	62109	62145
950	623.3	681.8	769.4
900	561.3	559.5	670.2
850	525.0	474.6	596.2
800	450.1	460.1	501.2
750	346.6	454.2	390.0
700	261.2	329.6	271.2
650	201.2	211.4	223.4
600	160.5	151.2	152.2
550	128.5	119.3	124.4
500	120.3	119.0	124.7
450	110.8	114.3	110.1
400	121.9	114.0	103.7
350		156.0	146.5
300			
LONG	-70.57	-70.17	-69.81
LAT	-38.80	-36.81	-34.82
QUAL	33	33	33

Table III.—Continued

PASS 881 AT RESLUT, 6212 2								
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)								
HEIGHT	TIME (UT)							
	192206	192258	192352	192409	192427	192445	192521	192557
1000	0.322	0.113	0.132	0.098	0.109	0.110	0.147	0.148
950	0.349	0.128	0.149	0.114	0.124	0.127	0.170	0.170
900	0.377	0.143	0.168	0.133	0.144	0.149	0.195	0.195
850	0.408	0.160	0.192	0.157	0.171	0.177	0.225	0.225
800	0.444	0.181	0.220	0.188	0.206	0.212	0.263	0.263
750	0.490	0.208	0.256	0.229	0.246	0.257	0.311	0.310
700	0.552	0.242	0.299	0.284	0.302	0.314	0.373	0.371
650	0.637	0.287	0.354	0.358	0.376	0.390	0.455	0.452
600	0.749	0.351	0.430	0.462	0.478	0.498	0.574	0.561
550	0.898	0.441	0.543	0.598	0.629	0.644	0.739	0.710
500	1.105	0.568	0.715	0.811	0.843	0.859	0.972	0.937
450	1.381	0.756	0.971	1.110	1.161	1.191	1.320	1.273
400	1.790	1.020	1.399	1.573	1.654	1.692	1.849	1.768
350	2.402	1.454	2.109	2.327	2.466	2.509	2.636	2.534
300	3.070	2.199	3.280	3.531	3.723	3.737	3.763	3.653
HEIGHT	SCALE HEIGHT, KM							
	647.7	438.3	395.5	321.7	354.1	317.9	366.9	359.1
950	647.7	438.3	395.5	321.7	354.1	317.9	366.9	359.1
900	641.6	442.5	384.1	307.4	312.1	300.2	357.1	354.1
850	607.3	419.3	367.9	289.5	282.1	282.1	329.6	335.2
800	543.6	387.0	351.3	266.5	269.9	270.5	309.7	311.6
750	458.3	352.3	332.9	244.6	262.9	256.2	288.2	288.4
700	383.3	313.8	313.0	224.1	241.8	237.0	261.6	266.4
650	335.5	264.5	283.5	205.6	217.8	216.2	230.7	243.1
600	300.8	238.7	228.6	194.7	193.4	202.2	211.9	221.3
550	269.8	213.0	202.2	183.5	180.2	186.4	193.4	201.5
500	243.9	187.5	177.8	170.2	166.9	166.4	175.4	170.8
450	212.1	174.0	154.4	154.3	153.5	152.4	159.0	159.5
400	184.7	158.5	131.6	135.8	135.5	134.0	145.0	147.1
350	180.8	133.9	118.0	124.6	121.9	125.6	141.0	136.9
300	415.7	113.8	118.9	127.4	138.6	135.2	149.5	147.9
LONG	-108.18	-104.33	-101.29	-100.45	-99.68	-98.90	-97.54	-96.31
LAT	70.87	68.28	65.49	64.60	63.65	62.69	60.77	58.84
QUAL	31	33	33	33	33	33	33	33

Table III. —Continued

PASS 881 AT SULANT, 6212 2				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	195259	195355	195711	195747
1000	0.214	0.219	0.192	0.197
950	0.228	0.235	0.209	0.215
900	0.249	0.255	0.230	0.237
850	0.274	0.281	0.255	0.264
800	0.304	0.314	0.286	0.294
750	0.351	0.358	0.324	0.329
700	0.430	0.422	0.375	0.385
650	0.534	0.509	0.448	0.459
600	0.667	0.638	0.554	0.553
550	0.868	0.839	0.716	0.703
500	1.228	1.154	0.939	0.917
450	1.819	1.670	1.287	1.238
400	2.858	2.544	1.850	1.714
350	4.681	4.014	2.946	2.519
300	7.850	6.608	4.479	4.200
HEIGHT	SCALE HEIGHT, KM			
	195259	195355	195711	195747
950	673.3	636.2	541.4	550.8
900	548.9	503.2	503.8	496.5
850	470.3	491.3	404.9	455.6
800	404.3	417.4	415.4	413.8
750	342.1	339.6	360.8	371.9
700	283.2	290.0	319.1	332.3
650	235.2	253.4	265.2	292.9
600	202.4	215.6	218.0	253.2
550	171.0	170.2	200.1	211.6
500	142.4	148.0	177.4	181.6
450	118.5	129.4	149.6	162.8
400	108.5	116.0	124.5	144.2
350	94.5	106.0	111.3	113.1
300	102.3	109.4	118.3	103.2
LONG	-80.99	-80.46	-78.02	-77.44
LAT	-32.27	-35.40	-46.28	-46.26
QUAL	33	23	32	22

Table III. —Continued

PASS 887 AT AGASTA, 6212 3	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	65941
1000	0.257
950	0.255
900	0.277
850	0.308
800	0.355
750	0.429
700	0.541
650	0.711
600	0.948
550	1.374
500	2.000
450	2.951
400	4.375
350	6.202
300	
HEIGHT	SCALE HEIGHT, KM
950	676.7
900	536.8
850	403.6
800	305.7
750	236.0
700	194.0
650	178.3
600	162.4
550	144.9
500	133.5
450	128.5
400	135.0
350	175.0
300	
LONG	-80.86
LAT	-32.97
QUAL	33

Table III.—Continued

PASS 888 AT RESLUT, 6212 3			
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)			
HEIGHT	TIME (UT)		
	73434	73528	73603
1000	0.005	0.039	0.031
950	0.007	0.044	0.035
900	0.009	0.049	0.041
850	0.010	0.062	0.050
800	0.012	0.076	0.061
750	0.015	0.088	0.072
700	0.020	0.100	0.086
650	0.026	0.123	0.103
600	0.037	0.153	0.125
550	0.051	0.186	0.157
500	0.073	0.229	0.197
450	0.109	0.289	0.263
400	0.172	0.388	0.369
350		0.567	0.550
300		0.897	0.881
HEIGHT	SCALE HEIGHT, KM		
950		435.5	352.5
900	295.6	351.0	291.0
850	278.6	283.1	287.2
800	259.3	274.1	283.3
750	221.6	284.9	288.5
700	185.1	291.5	279.5
650	166.5	271.5	260.1
600	156.2	251.5	238.0
550	145.7	249.5	218.9
500	134.7	224.7	199.5
450	121.6	193.4	168.1
400	102.2	155.4	141.6
350		126.0	118.0
300		100.7	105.4
LONG	-18.33	-9.97	-9.50
LAT	79.39	80.25	80.46
QUAL	33	23	32

Table III.—Continued

PASS 908 AT RESLUT, 6212 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	184541	184600	184652	184710	184728	184745	184803	184821
1000	0.092	0.085	0.075	0.076	0.079	0.162	0.089	0.085
950	0.097	0.095	0.079	0.082	0.088	0.175	0.098	0.092
900	0.105	0.104	0.085	0.087	0.090	0.186	0.107	0.101
850	0.116	0.115	0.091	0.093	0.093	0.196	0.119	0.112
800	0.131	0.128	0.095	0.100	0.102	0.211	0.136	0.127
750	0.145	0.142	0.101	0.110	0.111	0.230	0.156	0.145
700	0.160	0.155	0.112	0.122	0.119	0.249	0.184	0.171
650	0.176	0.171	0.128	0.138	0.127	0.270	0.222	0.211
600	0.203	0.200	0.149	0.163	0.151	0.310	0.280	0.265
550	0.244	0.246	0.178	0.204	0.190	0.384	0.362	0.337
500	0.291	0.302	0.216	0.267	0.246	0.489	0.475	0.436
450	0.340	0.370	0.276	0.354	0.325	0.628	0.599	0.554
400		0.455		0.466	0.419	0.817	0.705	0.674
350		0.550						
300		0.624						
HEIGHT	SCALE HEIGHT, KM							
	772.9	516.8					561.3	575.4
950	772.9	516.8					561.3	575.4
900	591.2	505.5		813.4		894.5	486.8	497.6
850	522.0	489.5		703.4		787.3	431.7	445.5
800	484.4	493.8	865.7	607.3	862.8	662.5	390.5	402.7
750	503.0	534.4	703.9	537.7	618.3	577.1	349.4	347.6
700	514.5	528.9	447.5	467.5	565.0	541.1	294.5	270.9
650	419.1	424.7	341.7	368.6	511.7	505.1	247.3	241.7
600	314.8	283.9	308.1	270.8	332.8	294.4	219.6	218.6
550	293.3	245.1	273.8	204.9	210.2	219.5	187.6	204.4
500	310.9	243.8	238.5	184.7	187.1	202.7	204.8	210.4
450	407.4	245.6	168.7	182.2	188.7	199.8	255.4	233.5
400		262.9		186.8	201.2	194.9	443.2	296.6
350		315.5						
300		631.3						
LONG	-178.58	-172.78	-155.28	-149.64	-144.34	-139.34	-134.26	-130.31
LAT	80.67	80.40	80.32	80.11	79.75	79.40	79.00	78.40
QUAL	31	31	33	33	33	33	21	21

Table III.—Continued

PASS 908 AT RESLUT, 6212 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	184859	184857	184905	184932	184950	185008	185026	185044
1000	0.091	0.107	0.127	0.129	0.123	0.150	0.142	0.156
950	0.102	0.119	0.141	0.141	0.135	0.163	0.154	0.166
900	0.114	0.132	0.156	0.155	0.149	0.178	0.170	0.179
850	0.130	0.149	0.173	0.175	0.168	0.198	0.191	0.205
800	0.149	0.171	0.197	0.200	0.192	0.220	0.219	0.248
750	0.173	0.198	0.227	0.232	0.223	0.253	0.254	0.288
700	0.201	0.230	0.267	0.271	0.268	0.298	0.295	0.326
650	0.234	0.271	0.314	0.319	0.329	0.365	0.356	0.363
600	0.284	0.328	0.369	0.388	0.408	0.466	0.446	0.453
550	0.370	0.403	0.460	0.488	0.515	0.596	0.564	0.598
500	0.474	0.505	0.576	0.615	0.645	0.749	0.713	0.752
450	0.594	0.629	0.721	0.771	0.801	0.919	0.902	0.899
400	0.734	0.794	0.901		0.964			
350	0.881							
300								
HEIGHT	SCALE HEIGHT, KM							
	439.1	468.3	486.0	524.0	516.3	615.7	548.9	782.8
950	439.1	468.3	486.0	524.0	516.3	615.7	548.9	782.8
900	397.9	428.6	466.6	451.3	452.1	530.1	465.7	571.6
850	378.5	388.1	421.7	405.8	392.1	484.3	399.4	392.4
800	364.1	370.3	373.3	360.4	347.8	395.7	356.7	306.2
750	349.7	352.2	333.9	339.0	305.7	345.1	329.7	303.2
700	325.3	314.7	315.2	319.6	276.2	299.0	302.8	300.3
650	300.3	284.4	296.4	293.4	250.4	228.1	269.6	297.3
600	217.1	260.8	277.7	228.4	234.0	207.2	231.0	274.1
550	195.2	241.4	256.9	229.9	234.0	216.9	217.4	240.9
500	213.7	235.1	235.8	231.4	234.1	239.2	218.9	257.5
450	229.7	228.8	223.3	228.5	257.8	272.5	253.7	304.5
400	250.8	227.9	217.3		324.1			
350	368.1							
300								
LONG	-126.36	-122.41	-120.98	-116.81	-114.03	-111.62	-109.66	-107.70
LAT	77.60	77.20	76.89	75.76	75.01	74.22	73.38	72.54
QUAL	32	33	33	23	22	33	33	33

Table III. —Continued

PASS 908 AT RESLUT, 6212 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	185101	185119	185137	185155	185213	185231	185248	185306
1000	0.178	0.176	0.125	0.114	0.157	0.155	0.161	0.140
950	0.195	0.195	0.131	0.125	0.173	0.171	0.180	0.156
900	0.213	0.214	0.139	0.132	0.189	0.186	0.196	0.169
850	0.235	0.238	0.148	0.140	0.206	0.204	0.213	0.182
800	0.268	0.269	0.157	0.152	0.226	0.226	0.235	0.200
750	0.313	0.305	0.168	0.169	0.256	0.259	0.264	0.221
700	0.371	0.355	0.182	0.191	0.294	0.302	0.298	0.256
650	0.445	0.418	0.227	0.226	0.340	0.355	0.338	0.300
600	0.538	0.497	0.281	0.283	0.404	0.422	0.387	0.355
550	0.646	0.591	0.355	0.357	0.491	0.506	0.471	0.429
500	0.767	0.707	0.484	0.460	0.594	0.603	0.572	0.520
450	0.961	0.872	0.664	0.588	0.736	0.740	0.699	0.694
400		1.091	0.908	0.797	0.914	0.956	0.904	0.936
350		1.411	1.260	1.160	1.175	1.319	1.305	1.261
300				1.583	1.529			1.647
HEIGHT	SCALE HEIGHT, KM							
950	575.7	508.0	981.4	896.9	581.2	579.2		580.1
900	536.2	471.4	902.5	876.4	579.6	559.9	582.7	609.9
850	421.0	439.3	870.6	718.7	515.6	494.1	532.4	576.6
800	369.3	409.5	757.4	548.1	451.2	409.4	446.6	494.7
750	337.6	379.7	615.7	455.5	412.3	373.2	419.2	412.7
700	305.9	329.8	474.0	367.6	373.5	345.6	391.7	372.5
650	289.2	291.2	224.5	304.7	334.6	318.0	364.2	336.4
600	279.8	285.1	218.5	261.6	305.1	296.2	335.7	300.4
550	270.4	279.0	178.1	218.5	281.1	278.7	301.5	258.9
500	248.7	266.8	162.7	200.8	257.0	261.2	267.3	216.5
450	221.0	238.1	164.2	185.1	237.1	230.4	230.6	195.5
400		219.4	156.7	156.8	218.3	180.5	177.6	175.4
350		216.2	147.9	150.1	202.3	167.6	136.4	182.7
300				194.4	185.7			201.7
LONG	-105.88	-104.47	-103.07	-101.66	-100.49	-99.42	-98.40	-97.41
LAT	71.75	70.86	69.97	69.08	68.16	67.24	66.37	65.43
QUAL	33	33	33	33	33	33	23	33

Table III.—Continued

PASS 908 AT RESLUT, 6212 4				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	185324	185342	185400	185418
1000	0.136	0.150	0.163	0.127
950	0.148	0.165	0.178	0.142
900	0.162	0.182	0.196	0.157
850	0.180	0.201	0.217	0.173
800	0.202	0.221	0.241	0.194
750	0.228	0.247	0.273	0.220
700	0.260	0.278	0.310	0.256
650	0.303	0.314	0.353	0.301
600	0.353	0.363	0.409	0.354
550	0.424	0.453	0.497	0.429
500	0.520	0.565	0.603	0.525
450	0.636	0.696	0.730	0.639
400	0.796	0.844	0.885	0.788
350	1.015	1.038	1.087	0.977
300	1.323	1.334	1.353	1.236
HEIGHT	SCALE HEIGHT, KM			
	571.5	506.4	537.0	470.6
950	571.5	506.4	537.0	470.6
900	506.3	510.2	508.2	478.3
850	465.6	494.0	461.3	462.3
800	425.5	458.9	421.9	405.0
750	386.2	425.8	349.1	361.3
700	354.3	392.6	376.3	340.3
650	327.9	359.5	353.5	319.2
600	301.6	326.5	330.0	298.1
550	280.8	294.1	305.0	282.0
500	263.5	261.6	280.1	268.6
450	246.2	244.2	261.7	255.2
400	220.8	238.1	250.6	238.5
350	195.0	216.0	240.6	227.0
300	179.8	168.1	231.3	231.0
LONG	-96.59	-95.78	-94.96	-94.31
LAT	64.49	63.54	62.59	61.63
QUAL	33	33	33	33

Table III.—Continued

PASS 908 AT OTTAWA, 6212 4						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	190006	190042	190117	190229	190304	190416
1000	0.150	0.121	0.304	0.195	0.184	0.238
950	0.170	0.144	0.339	0.221	0.214	0.266
900	0.193	0.165	0.373	0.238	0.244	0.289
850	0.219	0.185	0.408	0.267	0.271	0.320
800	0.248	0.212	0.450	0.318	0.305	0.368
750	0.283	0.247	0.506	0.366	0.351	0.434
700	0.331	0.289	0.592	0.429	0.414	0.533
650	0.391	0.349	0.706	0.525	0.499	0.673
600	0.470	0.433	0.852	0.660	0.633	0.859
550	0.569	0.550	1.055	0.853	0.838	1.176
500	0.698	0.710	1.349	1.158	1.150	1.711
450	0.862	0.933	1.762	1.629	1.659	2.686
400	1.073	1.245	2.363	2.374	2.554	4.462
350	1.361	1.674	3.298	3.719	4.217	7.369
300	1.744	2.340		6.315	7.287	
HEIGHT	SCALE HEIGHT, KM					
	190006	190042	190117	190229	190304	190416
950	427.1		543.6	631.3		571.7
900	399.1	421.8	550.2	544.2	439.8	545.1
850	400.1	393.6	511.3	432.3	439.4	405.5
800	376.9	357.6	452.2	344.0	389.6	332.6
750	349.2	324.2	388.8	325.2	334.5	281.0
700	324.8	296.2	316.7	281.2	281.8	233.7
650	283.5	249.2	277.7	234.2	240.1	211.0
600	264.8	220.8	254.9	214.4	207.2	190.0
550	258.3	203.4	227.4	184.6	179.8	147.3
500	247.9	190.1	197.9	156.3	153.5	124.9
450	234.5	179.8	181.2	140.4	127.1	101.1
400	219.1	177.8	164.0	126.0	110.2	92.7
350	206.7	157.3	139.7	103.5	94.7	117.0
300	207.1	159.5		109.7	86.6	
LONG	-86.51	-66.06	-85.65	-84.89	-84.56	-83.94
LAT	42.53	40.52	38.56	34.52	32.55	28.50
QUAL	33	33	33	33	33	33

Table III.—Continued

PASS 908 AT QUITOE, 6212 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	190859	190913	190950	191025	191101	191136	191212	191247
1000	0.383	0.358	0.326	0.323	0.349	0.321	0.322	0.314
950	0.410	0.390	0.370	0.353	0.383	0.351	0.362	0.382
900	0.454	0.429	0.411	0.410	0.426	0.400	0.409	0.423
850	0.518	0.483	0.473	0.472	0.482	0.460	0.469	0.477
800	0.589	0.551	0.553	0.546	0.556	0.535	0.542	0.546
750	0.647	0.633	0.659	0.643	0.646	0.632	0.635	0.631
700	0.807	0.811	0.787	0.761	0.788	0.749	0.744	0.750
650	1.146	1.093	0.938	0.988	1.055	0.942	0.979	1.006
600	1.526	1.454	1.300	1.354	1.431	1.295	1.321	1.372
550	2.121	2.006	1.878	1.919	2.008	1.846	1.850	1.911
500	3.232	3.017	2.825	2.905	3.038	2.773	2.792	2.872
450	5.105	4.763	4.503	4.483	4.646	4.339	4.359	4.386
400	7.997	7.568	7.174	7.028	7.147	6.824	6.778	6.760
350	12.226	11.644	11.092	10.714	10.841	10.604	10.524	10.377
300					14.773	14.904		14.662
HEIGHT	SCALE HEIGHT, KM							
950	627.2	561.2	426.4	523.0	495.8	480.4	408.5	
900	496.5	465.7	394.7	368.4	429.3	385.3	379.3	422.6
850	392.4	393.1	353.5	346.2	372.9	348.7	356.7	388.2
800	331.7	343.8	312.3	321.6	332.0	314.0	328.3	346.0
750	277.7	294.4	285.1	286.4	291.1	284.8	291.3	301.4
700	233.6	238.0	258.0	251.2	243.3	255.6	254.3	254.4
650	192.8	176.5	230.8	197.8	182.7	211.3	206.5	197.3
600	169.7	165.2	164.4	152.0	156.9	149.6	161.7	158.0
550	139.8	141.5	131.4	134.3	137.7	136.2	139.1	139.2
500	113.4	115.5	114.5	121.8	121.5	119.4	117.3	122.6
450	110.5	109.1	107.2	111.7	115.3	111.3	113.6	116.9
400	112.8	109.3	107.4	114.3	117.6	112.0	112.7	116.8
350	127.2	127.4	126.0	130.5	131.6	117.4	119.4	120.9
300					227.8	216.7		219.8
LONG	-82.16	-81.97	-81.76	-81.57	-81.37	-81.19	-81.00	-80.81
LAT	13.64	11.72	9.62	7.64	5.60	3.62	1.58	-0.40
QUAL	23	23	23	23	23	23	23	23

Table III. —Continued

PASS 908 AT QUITOE, 6212 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	191323	191400	191434	191511	191547	191620	191658	191733
1000	0.333	0.369	0.350	0.387	0.383	0.369	0.381	0.371
950	0.366	0.398	0.384	0.425	0.433	0.402	0.425	0.405
900	0.424	0.438	0.425	0.459	0.466	0.440	0.455	0.441
850	0.477	0.496	0.477	0.502	0.507	0.485	0.493	0.486
800	0.540	0.570	0.537	0.555	0.558	0.540	0.581	0.540
750	0.619	0.659	0.631	0.622	0.665	0.639	0.745	0.632
700	0.760	0.763	0.758	0.777	0.850	0.772	0.929	0.780
650	0.980	0.954	0.979	0.992	1.081	0.986	1.131	1.005
600	1.322	1.322	1.302	1.288	1.411	1.317	1.525	1.338
550	1.860	1.821	1.802	1.810	1.994	1.882	2.097	1.916
500	2.737	2.658	2.641	2.671	2.961	2.837	3.095	2.862
450	4.110	3.993	4.089	4.207	4.697	4.492	4.811	4.433
400	6.310	6.358	6.601	7.041	7.838	7.405	7.715	7.151
350	9.822	10.306		11.778	12.822	12.124	12.249	
300	13.929	15.156						
HEIGHT	SCALE HEIGHT, KM							
	470.0	623.1	509.0	679.4	820.8	595.5	622.5	583.0
950	470.0	623.1	509.0	679.4	820.8	595.5	622.5	583.0
900	465.0	524.3	471.6	560.5	605.4	537.0	639.1	530.0
850	413.8	425.6	424.8	498.7	515.1	458.7	472.7	464.1
800	365.2	369.3	354.0	437.0	424.8	379.6	358.5	398.2
750	313.6	328.2	300.1	371.5	326.6	318.9	270.9	322.2
700	240.5	287.1	246.3	262.0	223.6	258.2	230.8	240.0
650	189.5	228.7	202.8	198.8	196.5	205.0	211.9	195.0
600	158.7	156.7	168.4	173.8	170.2	160.3	167.0	161.9
550	142.7	144.5	144.8	138.2	138.3	133.1	145.6	132.5
500	127.6	130.7	124.7	122.1	118.1	116.9	121.7	120.9
450	121.9	116.3	110.2	103.9	102.2	104.2	110.0	110.0
400	111.8	105.3	99.6	96.6	100.7	100.1	103.5	102.7
350	116.1	108.5		102.8	115.1	115.4	130.2	
300	242.3	191.3						
LONG	-80.62	-80.42	-80.24	-80.04	-79.84	-79.65	-79.43	-79.22
LAT	-2.43	-4.53	-6.46	-8.55	-10.59	-12.45	-14.60	-16.57
QUAL	23	23	22	23	23	22	23	22

Table III.—Continued

PASS 908 AT QUITOE, 6212 4		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	191851	191927
1000	0.413	0.370
950	0.459	0.408
900	0.487	0.458
850	0.551	0.518
800	0.625	0.592
750	0.713	0.706
700	0.814	0.853
650	1.097	1.077
600	1.466	1.440
550	2.055	2.014
500	3.027	2.934
450	4.564	4.365
400	7.224	6.913
350	11.613	11.587
300		
HEIGHT	SCALE HEIGHT, KM	
950	686.1	465.5
900	515.5	434.0
850	415.4	379.4
800	374.6	323.7
750	333.8	291.4
700	292.9	259.1
650	210.0	204.2
600	160.6	161.5
550	143.4	143.1
500	127.1	130.4
450	113.4	118.3
400	109.1	101.5
350	111.8	103.8
300		
LONG	-78.73	-78.48
LAT	-20.97	-23.00
QUAL	23	23

Table III.—Continued

PASS 908 AT AGASTA, 6212 4							
DSW CORRECTIONS BEGIN PG 190 PG 194 0.567							
HEIGHT	TIME (UT)						
	191527	191604	191715	191845	192003	192112	192208
1000	0.381	0.419	0.405	0.421	0.416	0.454	0.450
950	0.417	0.445	0.445	0.448	0.460	0.495	0.476
900	0.457	0.485	0.483	0.485	0.514	0.549	0.517
850	0.507	0.540	0.528	0.543	0.585	0.623	0.598
800	0.567	0.602	0.599	0.621	0.675	0.719	0.703
750	0.647	0.706	0.699	0.727	0.802	0.857	0.840
700	0.783	0.871	0.854	0.885	0.974	1.058	1.046
650	1.008	1.107	1.102	1.115	1.221	1.335	1.330
600	1.344	1.465	1.492	1.463	1.629	1.776	1.807
550	1.850	2.023	2.123	2.056	2.277	2.500	2.565
500	2.737	2.987	3.127	3.104	3.303	3.707	3.864
450	4.251	4.623	4.810		4.972	5.600	5.658
400	6.861	7.427	7.562		7.456	8.071	8.352
350	11.296	12.058	12.207		11.425		
300							
HEIGHT	SCALE HEIGHT, KM						
	540.8	718.7	585.1	671.2	481.2	516.9	711.6
950	540.8	718.7	585.1	671.2	481.2	516.9	711.6
900	502.5	598.4	551.9	540.5	419.9	441.4	540.3
850	448.1	485.2	457.7	435.8	376.8	374.9	328.3
800	397.1	387.3	383.5	348.7	311.0	312.9	289.5
750	335.4	309.3	312.4	287.8	277.7	261.5	256.4
700	241.1	241.0	247.5	243.5	242.2	235.3	217.9
650	198.4	201.0	189.9	208.6	202.8	201.5	188.7
600	169.4	165.7	154.5	162.0	165.3	161.7	156.7
550	144.1	142.2	135.7	138.0	143.3	137.0	132.9
500	121.8	122.8	125.7	136.7	126.4	122.7	128.0
450	111.2	111.8	111.6		119.3	123.1	125.9
400	99.4	99.2	104.1		127.1	157.1	120.4
350	108.5	120.6	151.8		122.7		
300							
LONG	-79.95	-79.75	-79.33	-78.77	-78.23	-77.69	-77.22
LAT	-9.46	-11.55	-15.56	-20.63	-25.03	-28.91	-32.05
QUAL	33	23	23	23	33	33	33

Table III.—Continued

PASS 908 AT AGASTA, 6212 4					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	192336	192411	192447	192540	192634
1000	0.372	0.355	0.331	0.314	0.323
950	0.408	0.389	0.365	0.349	0.345
900	0.454	0.436	0.411	0.389	0.378
850	0.513	0.501	0.472	0.437	0.411
800	0.603	0.577	0.549	0.508	0.452
750	0.728	0.690	0.651	0.609	0.551
700	0.901	0.860	0.799	0.740	0.654
650	1.155	1.090	1.025	0.900	0.809
600	1.553	1.482	1.362	1.189	1.079
550	2.196	2.111	1.915	1.679	1.470
500	3.235		2.874	2.463	2.113
450	5.158		4.642	3.762	3.208
400	8.123		7.282	6.434	5.119
350	12.607				8.471
300					12.318
HEIGHT	SCALE HEIGHT, KM				
	496.3	484.7	441.0	473.0	647.4
950	496.3	484.7	441.0	473.0	647.4
900	441.7	411.6	397.8	431.7	536.6
850	369.8	357.9	362.1	377.6	482.2
800	282.8	318.0	317.2	317.7	407.5
750	245.4	248.0	268.6	264.5	266.1
700	226.1	223.5	225.6	245.6	250.1
650	190.4	202.6	192.0	226.6	214.4
600	157.8	148.0	166.9	159.1	170.9
550	138.6	133.1	136.3	139.4	151.6
500	117.2		111.0	126.0	131.1
450	105.4		105.9	114.3	112.0
400	115.1		115.2	137.4	101.5
350	117.5				111.0
300					181.2
LONG	-76.36	-75.98	-75.55	-74.86	-74.06
LAT	-36.96	-38.91	-40.91	-43.84	-46.83
QUAL	33	33	33	33	32

Table III. —Continued

PASS 908 AT SULANT, 6212 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	192132	192207	192243	192319	192353	192429	192500	192540
1000	0.428	0.406	0.367	0.395	0.354	0.331	0.317	0.314
950	0.469	0.452	0.433	0.434	0.386	0.365	0.348	0.342
900	0.523	0.509	0.490	0.484	0.428	0.408	0.384	0.379
850	0.600	0.582	0.561	0.564	0.491	0.465	0.435	0.429
800	0.714	0.691	0.666	0.684	0.587	0.540	0.504	0.496
750	0.862	0.832	0.808	0.833	0.701	0.646	0.600	0.584
700	1.048	1.017	1.012	1.032	0.876	0.815	0.733	0.706
650	1.343	1.309	1.329	1.344	1.146	1.043	0.932	0.888
600	1.800	1.779	1.853	1.808	1.575	1.421	1.223	1.150
550	2.532	2.499	2.669	2.624	2.274	2.050	1.930	1.572
500	3.751	3.696	3.987	4.020	3.338	3.079	2.689	2.259
450	5.497	5.513	6.144	6.208	5.173	4.844	4.090	3.383
400	8.220	8.287	9.503	9.574	8.037	7.627		5.276
350	11.272	12.600			12.545			8.238
300								
HEIGHT	SCALE HEIGHT, KM							
	478.0	431.5	415.1	469.0	504.4	481.3	538.1	520.4
950	478.0	431.5	415.1	469.0	504.4	481.3	538.1	520.4
900	403.9	383.7	377.6	390.2	428.2	413.8	442.4	441.4
850	347.5	337.8	336.8	326.6	349.9	365.1	367.0	375.5
800	302.4	302.4	282.4	272.1	280.3	295.0	311.1	328.0
750	264.2	266.0	242.5	243.4	251.5	244.4	271.2	278.0
700	233.6	226.0	205.9	214.3	213.6	218.9	227.7	238.9
650	188.9	181.7	171.8	180.5	175.7	193.5	200.6	209.0
600	162.3	158.2	144.8	156.6	147.1	157.9	130.8	185.0
550	135.5	138.2	134.5	124.7	132.8	133.1	132.0	158.3
500	131.5	125.1	118.4	118.8	123.4	116.1	136.3	133.5
450	123.5	123.7	114.8	113.5	113.8	111.3	114.5	119.9
400	131.9	124.6	117.3	115.5	110.7	110.6		109.1
350	242.2	117.6			123.0			118.9
300								
LONG	-77.52	-77.22	-76.89	-76.53	-76.18	-75.77	-75.40	-74.86
LAT	-30.03	-31.99	-34.01	-36.02	-37.91	-39.91	-41.63	-43.84
QUAL	23	23	23	23	23	23	23	23

Table III. —Continued

PASS 908 AT SOLANT, 6212 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	192616	192652	192758	192833	192909	192944	193020	193114
1000	0.315	0.318	0.260	0.239	0.227	0.214	0.227	0.207
950	0.337	0.341	0.291	0.259	0.249	0.237	0.248	0.224
900	0.366	0.376	0.315	0.285	0.277	0.264	0.274	0.244
850	0.408	0.420	0.347	0.317	0.311	0.297	0.305	0.266
800	0.467	0.477	0.397	0.361	0.353	0.337	0.341	0.297
750	0.550	0.541	0.464	0.416	0.407	0.387	0.386	0.342
700	0.674	0.650	0.550	0.489	0.478	0.454	0.440	0.407
650	0.850	0.808	0.689	0.598	0.589	0.545	0.522	0.493
600	1.095	1.024	0.884	0.778	0.773	0.668	0.653	0.604
550	1.475	1.343	1.161	1.020	1.024	0.823	0.856	0.739
500	2.144	1.919	1.617	1.393	1.352	1.066	1.138	0.916
450	3.274	2.871	2.319	1.976	1.909	1.483	1.457	1.227
400	5.176	4.411	3.478	2.970	2.801	2.081	1.950	1.651
350	8.268	6.982	5.223	4.552	4.330	3.012	2.693	2.239
300		10.326	7.712	7.049	6.643	4.586	3.810	2.989
HEIGHT	SCALE HEIGHT, KM							
	192616	192652	192758	192833	192909	192944	193020	193114
950	664.7	599.5	563.8	584.8	494.3	475.6	545.1	626.1
900	547.0	554.0	564.0	498.3	458.1	441.9	492.2	573.8
850	410.3	429.7	422.4	433.6	414.3	405.0	460.2	524.5
800	343.4	388.4	365.2	375.4	372.8	379.3	426.0	394.3
750	269.4	361.0	327.6	326.6	328.0	337.5	398.8	327.2
700	229.4	222.7	250.1	271.2	284.7	302.6	356.7	292.0
650	211.2	207.6	215.5	227.5	202.2	247.7	255.8	262.2
600	189.5	195.4	192.8	205.3	191.8	235.5	202.8	247.7
550	158.4	175.1	169.4	183.0	179.1	223.3	188.4	233.1
500	131.5	135.1	149.5	159.8	163.6	172.6	186.6	215.3
450	116.2	122.1	132.5	134.0	143.4	151.0	185.4	184.4
400	105.5	111.4	123.2	119.6	122.4	143.3	166.8	168.3
350	115.3	114.8	124.6	118.6	116.8	125.5	151.1	169.9
300		169.9	143.1	120.6	133.8	124.3	148.8	178.5
LONG	-74.34	-73.78	-72.59	-71.83	-71.00	-70.08	-69.01	-67.15
LAT	-45.83	-47.82	-51.44	-53.34	-55.30	-57.19	-59.12	-61.98
QUAL	23	23	23	33	22	23	32	23

Table III.—Continued

PASS 908 AT SULANT, 6212 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	193148	193224	193300	193336	193412	193447	193523	193559
1000	0.191	0.198	0.206	0.243	0.229	0.292	0.310	0.265
950	0.211	0.217	0.227	0.273	0.251	0.324	0.342	0.289
900	0.236	0.241	0.253	0.303	0.279	0.360	0.384	0.321
850	0.264	0.268	0.282	0.340	0.311	0.401	0.437	0.357
800	0.301	0.301	0.317	0.385	0.349	0.454	0.496	0.402
750	0.345	0.343	0.363	0.440	0.398	0.524	0.569	0.459
700	0.399	0.399	0.426	0.513	0.461	0.619	0.660	0.529
650	0.474	0.480	0.514	0.613	0.539	0.743	0.779	0.619
600	0.592	0.590	0.624	0.752	0.644	0.895	0.934	0.739
550	0.761	0.744	0.772	0.926	0.779	1.105	1.159	0.903
500	0.971	0.950	0.958	1.174	0.957	1.387	1.447	1.104
450	1.232	1.235	1.191	1.493	1.217	1.765	1.837	1.390
400	1.588	1.636	1.584	1.925	1.537	2.258	2.352	
350	2.149	2.163	2.153		2.008	2.939		
300	2.879		2.962		2.617	3.799		
HEIGHT	SCALE HEIGHT, KM							
	474.3	502.5	489.9	452.2	515.9	491.2	462.0	543.7
950	474.3	502.5	489.9	452.2	515.9	491.2	462.0	543.7
900	438.6	483.7	465.1	446.9	475.6	467.5	419.5	484.5
850	412.0	450.9	435.8	422.6	441.6	434.8	393.0	447.9
800	385.4	412.9	396.8	391.0	411.5	372.4	380.0	399.7
750	357.4	342.4	330.5	345.8	366.9	312.2	352.7	359.8
700	314.4	295.5	297.6	298.1	325.5	286.5	318.8	327.3
650	265.0	263.8	278.8	265.1	294.6	274.2	282.8	298.1
600	210.5	236.8	260.0	249.8	273.2	261.8	250.1	275.7
550	208.0	218.7	243.0	234.5	253.6	243.4	238.8	259.4
500	208.4	205.0	226.7	221.6	235.7	220.5	227.5	243.0
450	200.4	190.0	208.8	209.3	221.1	208.0	214.4	200.2
400	182.0	180.7	180.0	183.7	206.5	200.7	194.0	
350	179.0	175.2	166.1		197.4	192.5		
300	194.5		176.2		197.3	228.9		
LONG	-65.78	-64.04	-62.17	-59.70	-56.94	-53.69	-49.49	-44.82
LAT	-63.77	-65.64	-67.49	-69.29	-71.06	-72.73	-74.36	-75.94
QUAL	22	23	23	22	32	22	33	33

Table III.—Continued

PASS 908 AT SOLANT, 6212 4	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	193634
1000	0.226
950	0.260
900	0.305
850	0.356
800	0.418
750	0.496
700	0.605
650	0.751
600	0.941
550	1.197
500	1.551
450	2.033
400	2.675
350	3.533
300	4.570
HEIGHT	SCALE HEIGHT, KM
950	334.1
900	327.4
850	316.0
800	295.7
750	272.7
700	244.7
650	228.2
600	217.8
550	206.1
500	193.0
450	186.0
400	182.7
350	185.0
300	301.4
LONG	-38.41
LAT	-77.25
QUAL	32

Table III. —Continued

PASS 914 AT AGASTA, 6212 5				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	62719	62906	62941	63315
1000	0.206	0.238	0.231	0.203
950	0.218	0.267	0.252	0.212
900	0.234	0.291	0.283	0.241
850	0.266	0.352	0.323	0.254
800	0.313	0.421	0.379	0.299
750	0.377	0.537	0.494	0.381
700	0.484	0.681	0.637	0.426
650	0.644	0.891	0.825	0.458
600	0.922	1.211	1.106	0.595
550	1.370	1.699	1.558	0.802
500	2.140	2.434	2.224	1.114
450	3.372	3.589	3.105	1.512
400	5.407	5.317	4.488	
350			5.968	
300				
HEIGHT	SCALE HEIGHT, KM			
	816.3	418.4	507.2	872.1
950	816.3	418.4	507.2	872.1
900	529.9	398.3	406.2	575.6
850	443.5	263.2	336.7	541.3
800	357.1	243.7	271.7	383.6
750	271.6	215.0	224.5	305.3
700	212.9	194.6	198.3	320.7
650	160.1	178.2	183.6	310.7
600	134.5	158.5	162.6	181.5
550	118.5	143.9	138.0	160.8
500	110.7	134.3	148.2	159.5
450	105.3	125.5	141.2	177.1
400	116.4	137.0	143.0	
350			243.3	
300				
LONG	-78.02	-76.96	-76.66	-75.13
LAT	-38.27	-32.35	-30.40	-18.46
QUAL	33	32	32	33

Table III.—Continued

PASS 915 AT RESLUT, 6212 5						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	70141	70159	70217	70310	70346	70515
1000	0.005	0.013	0.025	0.012	0.019	0.128
950	0.008	0.016	0.031	0.016	0.023	0.142
900	0.010	0.019	0.037	0.020	0.029	0.161
850	0.012	0.022	0.043	0.024	0.034	0.185
800	0.015	0.026	0.049	0.029	0.039	0.211
750	0.018	0.031	0.056	0.035	0.045	0.240
700	0.022	0.037	0.064	0.042	0.053	0.275
650	0.026	0.043	0.073	0.052	0.063	0.316
600	0.033	0.051	0.084	0.066	0.077	0.368
550	0.042	0.061	0.100	0.087	0.098	0.445
500	0.056	0.076	0.124	0.116	0.127	0.555
450	0.078	0.097	0.158	0.157	0.168	0.705
400	0.106	0.128	0.209	0.216	0.225	0.919
350	0.151	0.175	0.286	0.298	0.325	1.222
300	0.223	0.251	0.386	0.405		1.594
HEIGHT	SCALE HEIGHT, KM					
	70141	70159	70217	70310	70346	70515
950		328.6				436.7
900		295.7				391.7
850	238.8	298.8		279.7	333.0	374.3
800	249.6	303.6	366.5	278.9	348.6	378.7
750	253.9	300.6	376.4	256.2	326.5	377.8
700	248.0	297.6	373.8	240.0	300.3	370.8
650	231.4	294.5	354.6	227.9	266.5	345.2
600	218.1	283.5	329.5	203.9	224.9	295.4
550	195.5	248.7	264.9	178.6	211.0	244.6
500	162.2	222.3	230.3	170.0	197.1	222.7
450	153.1	201.6	202.3	162.1	177.3	196.5
400	150.5	176.8	174.5	156.7	154.7	186.7
350	139.6	143.6	157.8	161.4	134.7	175.7
300	118.6	144.0	201.4	177.6		235.5
LONG	-40.16	-37.86	-34.62	-24.21	-15.02	-12.84
LAT	74.97	75.78	76.47	78.40	79.40	80.38
QUAL	33	33	21	32	33	22

Table III.—Continued

PASS 935 AT RESLUT, 6212 6		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	182304	182325
1000	0.106	0.114
950	0.124	0.131
900	0.146	0.152
850	0.171	0.177
800	0.201	0.209
750	0.238	0.247
700	0.289	0.298
650	0.354	0.364
600	0.447	0.457
550	0.562	0.589
500	0.753	0.776
450	1.010	1.049
400	1.401	1.459
350	2.042	2.090
300	2.997	3.082
HEIGHT	SCALE HEIGHT, KM	
	304.4	336.3
950	304.4	336.3
900	309.6	327.9
850	305.6	313.4
800	293.6	298.5
750	276.9	283.4
700	252.9	262.4
650	230.8	233.3
600	214.9	208.3
550	199.0	195.4
500	182.2	178.3
450	164.8	160.5
400	145.2	147.7
350	131.2	134.0
300	136.4	130.5
LONG	-91.53	-90.74
LAT	63.06	61.94
QUAL	33	11

Table III.—Continued

PASS 935 AT SULANT, 6212 6								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	185145	185221	185246	185332	185405	185443	185517	185556
1000	0.232	0.256	0.223	0.237	0.218	0.202	0.209	0.208
950	0.255	0.285	0.246	0.259	0.237	0.223	0.232	0.229
900	0.280	0.314	0.274	0.287	0.264	0.249	0.259	0.256
850	0.311	0.350	0.311	0.322	0.296	0.280	0.291	0.287
800	0.354	0.394	0.357	0.369	0.337	0.320	0.332	0.325
750	0.412	0.455	0.418	0.437	0.391	0.371	0.386	0.373
700	0.498	0.542	0.506	0.529	0.460	0.452	0.465	0.451
650	0.625	0.677	0.638	0.662	0.573	0.579	0.570	0.562
600	0.848	0.897	0.843	0.895	0.750	0.758	0.734	0.715
550	1.241	1.225	1.138	1.227	1.011	1.008	0.981	0.980
500	1.710	1.732	1.563	1.684	1.396	1.399	1.301	1.362
450	2.567	2.657	2.373	2.479	2.037	1.951	1.811	1.880
400	4.323	4.508	4.000	3.900	3.178	2.786	2.625	2.633
350	7.724		7.032	6.236	4.732	4.146	3.813	3.743
300	12.725							
HEIGHT	SCALE HEIGHT, KM							
	185145	185221	185246	185332	185405	185443	185517	185556
950	544.1	496.0	476.5	523.8	506.3	474.9	478.9	486.9
900	514.2	485.4	425.2	468.8	455.4	440.8	444.5	445.3
850	423.5	443.2	396.9	408.5	407.4	400.2	402.6	415.3
800	362.4	373.1	339.4	321.2	361.3	360.0	354.0	385.3
750	291.0	322.3	288.7	275.6	333.5	300.4	301.6	335.2
700	227.4	265.2	239.9	238.7	266.2	217.4	264.2	228.8
650	189.0	199.9	199.5	193.8	204.3	203.5	242.0	214.9
600	165.0	170.9	182.7	177.1	178.3	185.7	170.2	181.4
550	145.8	155.9	163.6	161.5	161.0	163.1	169.8	156.4
500	139.9	133.6	141.0	146.2	145.2	157.7	163.2	158.2
450	112.1	106.7	113.2	123.5	126.3	148.3	145.2	153.7
400	89.2	93.6	90.4	105.4	116.4	132.5	135.5	145.9
350	86.2		99.4	125.3	157.9	146.5	150.9	156.1
300	275.3							
LONG	-73.19	-72.85	-72.59	-72.08	-71.69	-71.20	-70.72	-70.13
LAT	-33.39	-35.40	-36.79	-39.35	-41.19	-43.29	-45.17	-47.32
QUAL	23	23	23	23	22	22	22	22

Table III.—Continued

PASS 935 AT SOLANT, 6212 6								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	185630	185706	185741	185829	185900	185940	190016	190034
1000	0.175	0.173	0.174	0.166	0.152	0.148	0.164	0.165
950	0.193	0.192	0.194	0.186	0.172	0.167	0.185	0.184
900	0.213	0.219	0.215	0.209	0.194	0.189	0.209	0.207
850	0.238	0.245	0.242	0.236	0.220	0.215	0.237	0.234
800	0.273	0.277	0.276	0.268	0.251	0.246	0.270	0.267
750	0.318	0.321	0.320	0.309	0.290	0.285	0.314	0.309
700	0.378	0.381	0.379	0.367	0.345	0.336	0.371	0.366
650	0.466	0.467	0.466	0.453	0.426	0.413	0.454	0.454
600	0.617	0.614	0.617	0.586	0.544	0.529	0.573	0.576
550	0.826	0.874	0.849	0.767	0.714	0.691	0.748	0.742
500	1.069	1.184	1.125	1.024	0.953	0.917	1.000	0.970
450	1.502	1.590	1.493	1.363	1.272	1.232	1.332	1.289
400	2.122	2.275	2.092	1.901	1.745	1.689	1.836	1.780
350	3.087	3.195	2.945	2.699	2.511	2.456	2.660	2.612
300						3.585		3.850
HEIGHT	SCALE HEIGHT, KM							
	506.0	427.8	472.5	428.9	411.0	406.0	422.6	440.2
950	506.0	427.8	472.5	428.9	411.0	406.0	422.6	440.2
900	466.4	421.7	444.6	417.2	408.8	392.6	400.8	418.2
850	414.0	423.2	402.7	398.8	391.7	379.6	382.3	396.4
800	356.0	374.4	364.6	367.2	371.0	358.6	364.9	356.9
750	316.0	313.7	325.7	323.6	303.5	324.8	323.0	324.3
700	253.0	267.2	268.2	274.5	264.5	268.1	270.1	249.2
650	213.1	234.6	204.0	204.1	231.3	220.3	230.2	230.4
600	191.4	162.6	178.7	193.5	204.3	202.0	207.4	215.8
550	175.3	160.1	175.8	186.4	187.6	184.7	178.1	201.3
500	167.5	160.4	172.7	176.3	177.0	172.0	172.5	187.0
450	155.0	157.1	164.7	165.0	162.4	167.7	170.0	168.0
400	141.0	146.0	149.4	148.5	153.8	146.7	149.8	144.8
350	138.5	165.7	156.0	159.3	134.0	129.6	136.9	128.4
300						185.9		198.9
LONG	-69.54	-68.88	-68.15	-67.02	-66.24	-65.00	-63.77	-63.08
LAT	-49.18	-51.16	-53.06	-55.66	-57.33	-52.80	-54.05	-58.00
QUAL	23	22	22	22	23	22	23	23

Table III.—Continued

PASS 935 AT SULANT, 6212 6						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	190127	190237	190314	190406	190443	190537
1000	0.136	0.131	0.140	0.154	0.157	0.161
950	0.152	0.151	0.155	0.174	0.175	0.183
900	0.172	0.171	0.176	0.196	0.199	0.205
850	0.196	0.194	0.200	0.222	0.226	0.233
800	0.222	0.221	0.227	0.251	0.258	0.268
750	0.256	0.255	0.261	0.289	0.297	0.311
700	0.300	0.296	0.304	0.336	0.349	0.366
650	0.360	0.351	0.362	0.395	0.416	0.434
600	0.442	0.425	0.440	0.477	0.504	0.528
550	0.559	0.530	0.551	0.601	0.630	0.654
500	0.723	0.678	0.703	0.766	0.808	0.833
450	0.944	0.677	0.907	0.981	1.053	1.087
400	1.252	1.150	1.190	1.289	1.394	1.446
350	1.720	1.568	1.619	1.750	1.911	1.978
300	2.478	2.279		2.416		2.663
HEIGHT	SCALE HEIGHT, KM					
	190127	190237	190314	190406	190443	190537
950	462.4	377.9	441.9	415.9	421.7	415.9
900	414.5	386.3	408.0	410.6	401.2	407.5
850	385.9	383.8	391.8	397.1	383.4	378.1
800	369.0	363.9	374.3	376.1	361.5	343.2
750	339.8	344.8	340.3	349.6	330.7	323.9
700	290.4	308.5	305.7	320.6	302.1	305.9
650	255.5	273.2	275.2	292.0	275.1	265.6
600	234.2	246.4	238.8	237.7	239.4	242.8
550	216.1	224.9	217.6	210.2	214.0	227.6
500	200.1	207.3	202.4	204.2	202.5	206.1
450	184.9	192.8	189.7	194.9	187.9	182.7
400	168.7	175.6	174.6	175.8	171.1	169.6
350	147.9	146.9	153.7	158.1	159.4	164.2
300	150.0	125.8		165.3		181.5
LUNG	-60.75	-56.76	-54.07	-51.37	-59.25	-44.23
LAT	-65.10	-68.67	-70.30	-72.99	-74.65	-76.87
QUAL	31	32	33	31	23	31

Table III.—Continued

PASS 941 AT SULANT, 6212 7					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	54943	55015	55054	55120	55205
1000	0.257	0.239	0.234	0.200	0.170
950	0.247	0.279	0.268	0.220	0.191
900	0.351	0.327	0.309	0.262	0.220
850	0.421	0.390	0.366	0.313	0.259
800	0.509	0.472	0.441	0.376	0.314
750	0.627	0.539	0.545	0.463	0.390
700	0.741	0.749	0.695	0.585	0.499
650	1.045	0.981	0.912	0.754	0.668
600	1.424	1.328	1.225	1.015	0.924
550	2.019	1.871	1.728	1.436	1.348
500	3.054	2.771	2.538	2.176	2.088
450	4.751	4.180	3.877	3.391	3.332
400	7.054	6.247	5.770	5.160	5.384
350	9.057	8.079	7.574	7.159	
300					
HEIGHT	SCALE HEIGHT, KM				
	322.9	316.2	353.7	365.8	386.7
950	322.9	316.2	353.7	365.8	386.7
900	292.8	299.4	325.2	317.5	333.0
850	272.4	270.0	289.0	280.7	277.4
800	251.7	242.4	250.4	258.7	244.1
750	224.5	223.5	222.5	228.1	228.3
700	199.6	201.1	197.2	204.1	187.6
650	176.9	176.0	177.6	187.5	166.9
600	154.8	157.3	160.8	161.5	147.3
550	132.6	134.9	138.2	133.8	124.9
500	112.6	124.6	126.7	115.6	110.3
450	117.9	122.0	117.7	114.8	101.4
400	154.7	144.8	144.2	127.1	122.5
350	289.7	343.8	296.3	172.9	
300					
LONG	-82.21	-81.15	-80.01	-79.22	-78.31
LAT	-80.58	-58.87	-56.78	-55.06	-52.95
QUAL	32	22	32	32	32

Table III. —Continued

PASS 942 AT RESLUT, 6212 7							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	62739	63125	63143	63348	63406	63423	63441
1000	0.036	0.077	0.023	0.024	0.038	0.074	0.059
950	0.042	0.085	0.025	0.027	0.046	0.081	0.069
900	0.051	0.096	0.028	0.031	0.054	0.091	0.082
850	0.061	0.109	0.032	0.035	0.063	0.103	0.097
800	0.073	0.123	0.037	0.041	0.073	0.119	0.115
750	0.087	0.139	0.042	0.048	0.087	0.139	0.135
700	0.104	0.158	0.048	0.056	0.104	0.167	0.160
650	0.126	0.181	0.055	0.068	0.124	0.203	0.193
600	0.153	0.212	0.064	0.083	0.150	0.254	0.240
550	0.191	0.256	0.078	0.104	0.183	0.325	0.309
500	0.247	0.318	0.098	0.138	0.229	0.419	0.422
450	0.329	0.412	0.129	0.180	0.295	0.578	0.617
400	0.463	0.563	0.176	0.251	0.394	0.800	0.929
350	0.663	0.818	0.258	0.360	0.567	1.177	1.472
300	1.021	1.244	0.429	0.596	0.916		
HEIGHT	SCALE HEIGHT, KM						
	950	900	850	800	750	700	650
950	277.0	495.7	515.7	406.3	291.2	460.2	302.6
900	268.1	420.5	415.1	367.8	306.0	416.7	293.7
850	273.0	401.3	386.3	361.3	305.3	387.7	298.3
800	280.0	408.0	369.9	340.4	304.5	337.8	303.4
750	279.0	396.8	366.5	308.7	296.9	290.9	305.4
700	274.2	374.2	374.5	271.8	288.5	261.7	279.9
650	258.6	340.3	339.4	253.6	270.1	239.6	238.9
600	238.8	286.7	292.2	235.4	255.7	219.9	216.8
550	212.7	248.9	244.3	216.5	238.5	201.7	186.8
500	189.0	219.8	200.1	196.2	213.8	183.7	147.3
450	165.8	185.7	183.0	175.9	186.6	166.1	133.9
400	137.9	151.3	154.2	151.5	157.7	145.7	116.5
350	128.4	128.5	116.8	123.7	126.7	127.8	106.9
300	129.4	116.0	92.4	84.1	97.7		
LONG	-52.90	-31.61	-28.57	3.55	9.29	14.99	21.03
LAT	65.44	76.26	76.98	80.25	80.42	80.36	80.30
QUAL	23	23	23	33	23	23	33

Table III.—Continued

PASS 949 AT RESLUT, 6212 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	185335	185410	185428	185446	185503	185930	185947	190006
1000	0.034	0.023	0.017	0.019	0.076	0.117	0.118	0.121
950	0.043	0.030	0.022	0.025	0.086	0.135	0.139	0.143
900	0.050	0.035	0.026	0.031	0.098	0.159	0.168	0.168
850	0.059	0.042	0.034	0.037	0.114	0.186	0.197	0.197
800	0.069	0.050	0.046	0.046	0.133	0.219	0.232	0.235
750	0.082	0.059	0.059	0.059	0.156	0.260	0.286	0.282
700	0.096	0.073	0.073	0.077	0.185	0.314	0.356	0.346
650	0.114	0.100	0.095	0.102	0.227	0.388	0.444	0.430
600	0.140	0.141	0.125	0.142	0.294	0.491	0.551	0.546
550	0.181	0.204	0.168	0.203	0.398	0.621	0.719	0.714
500	0.252	0.308	0.234	0.300	0.543	0.806	0.943	0.953
450	0.358	0.439	0.327	0.446	0.725	1.064	1.270	1.301
400	0.528	0.590	0.444	0.630	0.970	1.419	1.729	1.809
350	0.755	0.796	0.622	0.864	1.227	1.919	2.426	2.530
300	1.072	1.029	0.868	1.132		2.640	3.488	3.546
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950			239.1			429.9	316.7	303.4
900	308.2	296.6	217.4	245.8	369.3	315.5	302.1	302.2
850	309.8	293.7	213.6	238.2	333.2	304.6	288.6	295.4
800	304.3	282.1	209.8	221.3	318.5	291.5	267.6	277.6
750	302.9	260.9	206.8	197.9	297.6	277.4	251.9	259.6
700	302.2	186.4	204.0	184.4	271.3	255.6	236.2	240.9
650	264.4	152.8	193.4	168.8	223.7	224.3	223.1	221.8
600	226.8	139.5	180.9	148.4	185.5	214.7	210.2	202.2
550	169.0	130.8	167.6	137.4	159.9	207.5	194.8	184.5
500	147.1	124.0	153.2	128.9	164.6	190.6	179.9	169.0
450	133.2	152.3	155.2	136.3	173.0	177.9	170.2	161.0
400	133.3	168.4	154.1	152.1	194.2	173.7	153.9	148.4
350	141.2	184.4	155.0	171.5	267.8	161.8	143.9	150.1
300	161.2	209.8	161.5	202.1		157.0	156.8	160.7
LONG	-160.55	-149.73	-144.97	-140.21	-135.93	-105.61	-104.72	-103.78
LAT	80.17	79.67	79.19	78.72	78.24	66.01	65.13	64.13
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 949 AT RESLUT, 6212 7		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	190024	190135
1000	0.133	0.139
950	0.154	0.160
900	0.178	0.186
850	0.209	0.216
800	0.248	0.253
750	0.298	0.301
700	0.360	0.357
650	0.447	0.442
600	0.576	0.570
550	0.749	0.744
500	1.003	0.975
450	1.377	1.315
400	1.916	1.822
350	2.698	2.575
300	3.790	3.615
HEIGHT	SCALE HEIGHT, KM	
	190024	190135
950	334.3	343.6
900	321.4	337.4
850	302.7	311.8
800	279.6	290.5
750	262.7	276.5
700	246.0	262.5
650	227.3	237.6
600	206.4	202.8
550	184.5	187.1
500	165.3	177.6
450	158.1	164.9
400	149.3	148.5
350	141.3	146.1
300	180.9	164.9
LONG	-103.04	-100.42
LAT	63.17	59.38
QUAL	33	33

Table III.—Continued

PASS 949 AT PRINCE, 6212 7						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	190310	190346	190421	190457	190532	190607
1000	0.156	0.119	0.107	0.097	0.087	0.086
950	0.177	0.143	0.131	0.127	0.108	0.102
900	0.200	0.169	0.156	0.144	0.132	0.119
850	0.232	0.195	0.183	0.168	0.156	0.139
800	0.269	0.227	0.215	0.196	0.183	0.162
750	0.313	0.265	0.254	0.229	0.217	0.194
700	0.374	0.315	0.298	0.271	0.257	0.234
650	0.452	0.382	0.363	0.327	0.316	0.285
600	0.560	0.479	0.447	0.407	0.400	0.355
550	0.707	0.613	0.566	0.518	0.519	0.446
500	0.924	0.799	0.743	0.678	0.692	0.587
450	1.246	1.097	1.060	0.914	0.959	0.809
400	1.721	1.618	1.525	1.287	1.386	1.159
350	2.461	2.418	2.209	1.878	2.125	1.747
300	3.549	3.592	3.432	2.893	3.772	2.938
HEIGHT	SCALE HEIGHT, KM					
	391.2					
950	391.2					
900	368.3	316.9	289.4	346.4		324.7
850	334.5	327.1	299.5	338.2	286.5	314.9
800	321.1	315.0	299.1	325.9	292.8	297.9
750	306.8	302.9	289.1	303.6	278.0	275.7
700	279.2	276.9	279.0	277.5	263.2	258.4
650	252.3	243.4	256.9	250.1	240.2	242.4
600	230.0	219.9	231.7	226.3	211.9	224.3
550	204.4	201.5	201.2	204.3	188.6	204.0
500	176.8	179.2	163.9	182.8	170.3	169.3
450	164.8	148.8	152.7	161.6	146.6	151.9
400	149.6	126.1	146.5	138.8	127.6	134.3
350	139.0	127.5	126.6	127.8	107.0	112.1
300	131.8	125.7	107.1	104.7	81.1	84.1
LONG	-97.78	-96.99	-96.29	-95.63	-95.07	-94.54
LAT	54.21	52.23	50.30	48.32	46.37	44.42
QUAL	33	23	23	23	23	23

Table III.—Continued

PASS 949 AT FTHYS, 6212 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	190813	190848	190924	191000	191035	191111	191146	191222
1000	0.209	0.225	0.230	0.231	0.232	0.260	0.272	0.266
950	0.233	0.248	0.252	0.256	0.266	0.287	0.294	0.291
900	0.258	0.272	0.277	0.283	0.296	0.309	0.320	0.317
850	0.291	0.303	0.306	0.317	0.331	0.337	0.355	0.351
800	0.333	0.341	0.344	0.360	0.371	0.383	0.396	0.391
750	0.364	0.390	0.397	0.421	0.429	0.442	0.447	0.442
700	0.448	0.461	0.471	0.498	0.502	0.513	0.521	0.524
650	0.541	0.552	0.570	0.604	0.605	0.619	0.625	0.638
600	0.661	0.683	0.709	0.748	0.763	0.776	0.778	0.794
550	0.879	0.884	0.925	0.985	0.988	0.997	1.021	1.037
500	1.170	1.183	1.242	1.316	1.333	1.321	1.387	1.411
450	1.644	1.620	1.714	1.810	1.864	1.809	1.932	1.976
400	2.425	2.339	2.498	2.623	2.645	2.684	2.825	2.993
350	3.970	3.791	4.200	3.980	4.230	4.302	4.575	4.881
300	6.225	6.805	6.775	6.004	6.588	6.880	7.350	7.705
HEIGHT	SCALE HEIGHT, KM							
950	487.7	553.4	531.0	491.4	431.5	789.0	649.8	610.6
900	435.4	501.5	509.5	452.0	448.4	608.3	543.3	533.0
850	397.5	430.8	451.3	403.8	420.8	490.5	462.5	482.7
800	363.5	386.7	362.4	357.2	389.9	414.2	420.3	420.4
750	334.6	343.8	331.4	324.6	347.2	347.3	373.4	355.9
700	298.2	303.7	293.3	292.3	299.6	301.1	314.4	294.5
650	244.9	263.3	254.1	253.3	237.2	257.3	258.2	246.5
600	214.9	221.1	212.7	211.3	213.0	215.5	208.3	214.0
550	188.8	188.3	185.7	180.6	187.1	191.4	179.3	178.3
500	163.1	167.8	163.4	166.4	160.1	171.5	160.8	159.4
450	141.2	149.6	147.3	149.2	142.8	147.4	141.4	136.1
400	115.4	122.6	114.8	124.1	125.6	115.1	119.3	102.8
350	106.6	85.0	98.5	131.8	110.9	101.4	101.0	101.7
300	119.3	104.6	113.3	117.7	138.2	117.2	124.1	150.9
LONG	-92.97	-92.61	-92.26	-91.92	-91.63	-91.34	-91.07	-90.82
LAT	37.38	35.41	33.39	31.36	29.39	27.36	25.39	23.36
QUAL	23	23	22	33	33	22	22	22

Table III. —Continued

PASS 949 AT FIMYRS, 6212 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	191337	191413	191448	191524	191559	191653	191746	191840
1000	0.266	0.198	0.206	0.195	0.216	0.216	0.223	0.251
950	0.299	0.225	0.232	0.221	0.249	0.240	0.245	0.270
900	0.328	0.249	0.255	0.245	0.272	0.264	0.269	0.295
850	0.363	0.279	0.286	0.274	0.303	0.293	0.304	0.337
800	0.410	0.317	0.326	0.308	0.343	0.331	0.345	0.378
750	0.472	0.365	0.375	0.356	0.395	0.380	0.393	0.439
700	0.552	0.426	0.438	0.422	0.464	0.452	0.470	0.544
650	0.680	0.520	0.536	0.510	0.564	0.555	0.593	0.708
600	0.863	0.658	0.691	0.656	0.724	0.727	0.782	0.951
550	1.109	0.872	0.911	0.857	0.971	0.974	1.102	1.422
500	1.480	1.196	1.233	1.171	1.357	1.385	1.738	2.390
450	2.057	1.694	1.771	1.694	2.070	2.200	2.907	4.157
400	2.999	2.574	2.748	2.701	3.345	3.741	5.087	6.948
350	4.720	4.188	4.322	4.386	5.514	6.418	8.841	10.935
300	7.192	6.625	6.660	7.264	8.759	10.786		
HEIGHT	SCALE HEIGHT, KM							
	191337	191413	191448	191524	191559	191653	191746	191840
950	528.9	501.9	539.8	474.0	593.1	515.1	586.0	670.6
900	498.9	455.7	471.0	452.5	497.0	492.0	476.6	508.6
850	443.0	416.4	417.4	423.7	442.9	440.6	401.3	419.9
800	399.4	379.6	372.0	394.9	390.5	386.3	366.2	366.3
750	362.3	347.2	338.8	326.5	342.1	331.3	334.0	297.9
700	263.5	284.0	244.2	274.0	288.1	273.7	260.4	215.8
650	238.1	236.1	220.5	232.2	229.3	223.1	200.2	188.1
600	212.4	204.9	199.6	207.1	194.7	193.9	172.6	154.0
550	187.2	169.6	177.5	180.8	160.7	161.7	132.0	112.5
500	169.7	151.7	153.9	149.5	136.1	128.1	103.6	89.2
450	145.2	135.6	128.5	123.5	106.7	98.9	90.5	93.6
400	111.9	108.5	108.2	105.0	103.8	93.7	89.1	101.2
350	111.4	105.7	115.0	102.9	96.8	85.3	94.6	131.3
300	170.3	126.9	133.0	113.3	149.8	148.5		
LONG	-90.31	-90.08	-89.67	-89.66	-89.46	-89.16	-88.87	-88.59
LAT	19.12	17.09	15.11	13.07	11.10	8.04	5.03	1.98
QUAL	23	22	22	23	23	23	22	23

Table III.—Continued

PASS 949 AT FTMYRS, 6212 7		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	191915	191951
1000	0.264	0.266
950	0.290	0.284
900	0.317	0.308
850	0.357	0.378
800	0.414	0.458
750	0.488	0.526
700	0.610	0.636
650	0.814	0.889
600	1.187	1.308
550	1.880	2.172
500	3.190	3.901
450	5.464	6.844
400	9.139	
350	14.215	
300		
HEIGHT	SCALE HEIGHT, KM	
950	669.5	680.9
900	501.2	462.8
850	387.3	325.8
800	336.3	279.0
750	285.2	270.4
700	225.9	206.7
650	160.2	140.3
600	120.4	116.5
550	104.1	90.1
500	91.1	88.2
450	93.9	86.8
400	98.9	
350	198.3	
300		
LONG	-38.40	-88.22
LAT	0.00	-2.03
QUAL	23	33

Table III. —Continued

PASS 949 AT QUITCE, 6212 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	191349	191355	191428	191506	191541	191617	191653	191728
1000	0.177	0.198	0.193	0.195	0.166	0.195	0.203	0.223
950	0.202	0.220	0.223	0.217	0.206	0.221	0.237	0.251
900	0.230	0.242	0.250	0.244	0.234	0.242	0.262	0.279
850	0.263	0.276	0.281	0.275	0.265	0.272	0.296	0.314
800	0.302	0.319	0.317	0.311	0.301	0.310	0.338	0.359
750	0.351	0.369	0.364	0.364	0.347	0.355	0.390	0.415
700	0.410	0.429	0.429	0.434	0.400	0.419	0.456	0.487
650	0.507	0.516	0.521	0.529	0.486	0.516	0.565	0.596
600	0.648	0.650	0.662	0.662	0.613	0.663	0.737	0.791
550	0.856	0.855	0.872	0.876	0.813	0.896	0.993	1.102
500	1.198	1.180	1.194	1.202	1.116	1.271	1.391	1.612
450	1.732	1.682	1.701	1.698	1.600	1.894	2.090	2.566
400	2.641	2.501	2.541	2.540	2.451	3.008	3.586	4.645
350	4.226	4.007	4.068	4.099	3.951	5.176	6.404	8.305
300	6.725	6.411	6.466	6.783	7.001	8.703	10.747	12.786
HEIGHT	SCALE HEIGHT, KM							
	377.4	522.3		442.3		447.3		436.5
950								
900	380.0	468.5	421.3	428.8	377.9	457.1	428.9	425.6
850	362.5	405.9	422.0	397.9	374.7	417.4	402.2	397.2
800	337.5	356.1	379.0	344.6	362.0	376.0	373.6	364.7
750	312.2	324.6	332.7	313.8	332.8	331.2	330.7	327.1
700	285.3	303.0	290.8	283.1	303.6	279.8	281.5	285.9
650	233.5	259.7	245.1	247.7	256.9	223.1	210.7	222.1
600	195.4	201.8	197.2	207.0	199.3	188.4	185.6	164.7
550	170.0	171.0	172.3	172.5	173.9	160.4	162.6	142.9
500	141.0	150.6	151.1	154.7	152.0	137.5	137.4	123.3
450	131.2	136.6	137.0	134.8	130.7	117.4	111.1	96.9
400	114.7	117.9	114.8	115.2	113.7	101.4	84.0	84.2
350	103.9	102.3	106.6	101.2	92.8	91.4	94.2	91.9
300	132.2	116.8	126.3	111.5	99.9	115.4	154.3	208.1
LONG	-90.43	-90.19	-89.99	-89.76	-89.56	-89.36	-89.16	-88.97
LAT	20.14	18.10	16.24	14.09	12.11	10.08	8.04	6.05
QUAL	23	23	23	23	23	23	23	23

Table III.—Continued

PASS 949 AT QUITCE, 6212 7					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	191804	191839	191915	191951	192026
1000	0.218	0.291	0.251	0.241	0.226
950	0.244	0.313	0.279	0.274	0.259
900	0.273	0.339	0.307	0.302	0.293
850	0.308	0.372	0.346	0.351	0.339
800	0.349	0.413	0.392	0.415	0.397
750	0.402	0.496	0.476	0.499	0.466
700	0.464	0.613	0.602	0.622	0.604
650	0.605	0.799	0.805	0.864	0.838
600	0.814	1.116	1.179	1.257	1.269
550	1.178	1.692	1.819	2.001	2.129
500	1.809	2.795	3.102	3.515	3.902
450	3.019	4.699	5.483	6.559	7.258
400	5.466	7.708	9.434	11.545	11.552
350	9.462	11.723			
300					
HEIGHT	SCALE HEIGHT, KM				
	448.6	701.9	622.8	413.6	399.5
950	448.6	701.9	622.8	413.6	399.5
900	429.5	568.6	500.4	395.1	370.7
850	404.4	479.9	406.1	345.5	333.1
800	362.5	391.1	332.4	296.0	297.2
750	316.9	298.5	264.2	249.7	261.2
700	264.2	219.3	200.0	200.2	179.5
650	205.1	172.4	152.8	144.9	137.8
600	155.7	139.3	129.1	123.1	114.1
550	129.4	108.5	105.7	100.6	88.8
500	108.5	98.3	91.5	81.9	79.8
450	90.3	97.9	88.7	82.0	85.4
400	83.6	108.1	95.7	115.1	204.9
350	107.6	157.8			
300					
LONG	-88.78	-88.59	-88.44	-88.35	-88.26
LAT	4.01	2.04	0.43	-0.59	-1.58
QUAL	23	23	23	23	23

Table III.—Continued

PASS 949 AT AGASTA, 6212 7			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	193210	193245	193321
1000	0.200	0.205	0.196
950	0.220	0.223	0.215
900	0.240	0.245	0.236
850	0.263	0.272	0.263
800	0.293	0.304	0.294
750	0.341	0.346	0.336
700	0.407	0.399	0.390
650	0.491	0.472	0.467
600	0.593	0.578	0.573
550	0.757	0.733	0.722
500	0.997	0.949	0.926
450	1.351	1.268	1.226
400	1.896	1.749	1.661
350	2.773	2.519	2.388
300	4.207	3.835	3.742
HEIGHT	SCALE HEIGHT, KM		
	193210	193245	193321
950	556.2	548.4	526.8
900	557.4	509.0	487.8
850	484.6	467.1	445.6
800	380.3	423.8	405.6
750	348.8	373.9	362.3
700	317.2	324.5	317.7
650	283.1	275.9	270.6
600	233.8	229.3	229.0
550	202.9	207.6	208.6
500	177.0	186.0	195.9
450	157.7	161.9	172.6
400	142.0	155.6	156.2
350	121.2	124.3	122.8
300	126.1	118.7	113.5
LONG	-82.50	-81.99	-81.43
LAT	-43.54	-45.48	-47.46
QUAL	22	32	13

Table III. —Continued

PASS 949 AT SOLANT, 6212 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	193152	193228	193303	193339	193415	193450	193526	193601
1000	0.180	0.186	0.177	0.172	0.175	0.162	0.164	0.162
950	0.198	0.204	0.195	0.191	0.193	0.179	0.182	0.181
900	0.218	0.225	0.218	0.213	0.215	0.201	0.203	0.203
850	0.242	0.250	0.243	0.239	0.241	0.226	0.229	0.229
800	0.274	0.281	0.274	0.271	0.274	0.257	0.259	0.262
750	0.315	0.322	0.312	0.310	0.317	0.296	0.298	0.303
700	0.371	0.374	0.365	0.365	0.370	0.347	0.350	0.356
650	0.453	0.456	0.441	0.444	0.447	0.417	0.421	0.431
600	0.570	0.577	0.545	0.547	0.554	0.520	0.527	0.538
550	0.748	0.754	0.702	0.703	0.711	0.676	0.716	0.694
500	0.999	0.989	0.909	0.920	0.914	0.906	0.986	0.904
450	1.348	1.321	1.217	1.243	1.241	1.192	1.295	1.199
400	1.872	1.821	1.722	1.724	1.697	1.639	1.727	1.633
350	2.783	2.723	2.486	2.416	2.442	2.365	2.449	2.323
300	4.240	4.226	3.904	3.766	3.774	3.573	3.661	3.446
HEIGHT	SCALE HEIGHT, KM							
	520.2	528.4	490.9	472.6	497.0	458.0	461.6	444.7
950	520.2	528.4	490.9	472.6	497.0	458.0	461.6	444.7
900	485.7	488.9	460.2	444.0	447.9	428.8	436.4	419.3
850	442.0	454.7	437.0	418.7	411.6	406.4	416.0	390.9
800	394.3	398.6	398.3	386.8	367.2	376.5	379.3	361.7
750	330.5	340.6	349.7	346.7	327.4	335.7	330.6	324.9
700	274.5	295.9	292.4	277.6	293.8	291.1	291.9	286.8
650	235.9	238.4	263.5	262.2	251.6	252.0	263.6	243.2
600	205.1	209.5	211.9	217.8	220.7	218.8	184.7	216.2
550	184.5	197.8	200.0	194.1	204.5	182.9	182.3	190.3
500	172.4	180.4	177.7	173.8	188.3	195.4	179.8	185.0
450	160.1	161.7	161.0	161.4	171.5	177.3	176.0	162.2
400	141.0	145.7	144.5	152.1	151.7	146.7	160.3	153.8
350	123.8	119.1	125.4	135.3	128.0	121.3	135.7	136.6
300	135.2	117.1	125.4	123.3	114.5	132.5	145.6	138.1
LONG	-82.74	-82.24	-81.73	-81.14	-80.49	-79.81	-79.00	-78.17
LAT	-42.55	-44.54	-46.47	-48.45	-50.42	-52.33	-54.28	-56.17
QUAL	23	23	22	23	22	23	32	22

Table III. —Continued

PASS 949 AT SOLANT, 6212 7							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	193637	193713	193748	193842	193917	194012	194029
1000	0.153	0.151	0.172	0.168	0.153	0.169	0.156
950	0.171	0.170	0.192	0.185	0.172	0.182	0.178
900	0.192	0.191	0.215	0.206	0.196	0.205	0.203
850	0.218	0.217	0.244	0.235	0.223	0.243	0.232
800	0.250	0.249	0.280	0.269	0.256	0.275	0.269
750	0.290	0.290	0.325	0.312	0.299	0.320	0.313
700	0.340	0.342	0.382	0.367	0.355	0.381	0.369
650	0.410	0.410	0.457	0.438	0.429	0.455	0.446
600	0.506	0.507	0.562	0.538	0.537	0.563	0.551
550	0.656	0.653	0.736	0.679	0.676	0.706	0.698
500	0.914	0.851	0.954	0.886	0.845	0.908	0.898
450	1.169	1.110	1.228	1.166	1.131	1.184	1.176
400	1.611	1.524	1.600	1.569	1.519	1.564	1.549
350	2.388	2.134	2.150	2.103	2.112	2.094	2.076
300	3.418	2.994		3.007		2.781	2.798
HEIGHT	SCALE HEIGHT, KM						
	193637	193713	193748	193842	193917	194012	194029
950	432.4	428.2	445.9	474.8	410.2	563.1	385.9
900	411.0	403.8	417.2	418.3	387.0	405.7	375.5
850	382.9	380.2	384.1	380.3	368.5	343.9	358.1
800	357.7	351.3	352.2	357.5	338.7	345.7	335.0
750	330.1	316.8	321.0	325.5	310.6	318.0	319.2
700	281.1	291.7	294.2	295.7	274.8	284.0	282.2
650	250.5	259.4	263.0	266.3	234.9	251.1	251.0
600	232.0	217.1	250.2	231.5	226.6	232.8	220.9
550	170.7	195.5	175.9	198.2	218.3	216.2	210.0
500	186.1	184.4	203.4	196.5	209.9	203.4	193.4
450	170.6	174.6	175.1	168.0	185.7	193.3	177.6
400	148.5	159.6	171.8	162.7	162.2	166.8	175.0
350	133.6	149.9	120.4	156.1	142.0	172.4	174.7
300	212.0	160.1		155.6		167.2	179.3
LONG	-77.15	-76.03	-74.79	-72.49	-70.71	-67.29	-65.98
LAT	-58.11	-57.86	-53.89	-61.71	-66.52	-69.30	-70.14
QUAL	22	22	23	22	23	22	22

Table III.—Continued

PASS 968 AT SOLANT, 6212 9								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	51804	51840	51915	51951	52026	52102	52138	52213
1000	0.297	0.302	0.278	0.281	0.263	0.263	0.270	0.251
950	0.339	0.338	0.316	0.317	0.297	0.292	0.293	0.274
900	0.395	0.386	0.367	0.354	0.337	0.333	0.325	0.296
850	0.464	0.443	0.431	0.401	0.393	0.381	0.377	0.326
800	0.561	0.520	0.515	0.463	0.470	0.451	0.453	0.367
750	0.702	0.616	0.645	0.541	0.583	0.556	0.574	0.418
700	0.885	0.737	0.830	0.644	0.746	0.743	0.756	0.505
650	1.165	0.906	1.078	0.787	0.964	1.033	1.011	0.618
600	1.561	1.120	1.491	0.970	1.313	1.441	1.446	0.751
550	2.188	1.454	2.088	1.209	1.842	2.042	2.101	0.907
500	3.098	1.903	3.008	1.558	2.695	3.114	3.108	1.084
450	4.389	2.578	4.425	2.065	4.084	4.658	4.688	1.494
400	6.224	3.515	6.314	2.866	5.914	6.365	6.607	2.070
350		4.783		4.026				2.809
300		6.319		5.469				3.802
HEIGHT	SCALE HEIGHT, KM							
	346.8	396.5	363.7	428.4	400.2	429.0	560.0	635.9
950	346.8	396.5	363.7	428.4	400.2	429.0	560.0	635.9
900	313.8	369.0	322.6	416.5	357.2	376.9	408.1	602.8
850	288.4	345.6	288.5	381.4	307.1	332.6	311.9	465.3
800	255.2	305.2	255.3	332.8	251.3	277.4	244.0	388.7
750	218.9	279.6	215.9	303.1	218.9	211.5	197.6	332.7
700	195.3	258.3	192.8	256.7	203.9	157.7	178.2	289.3
650	179.4	239.3	175.2	246.6	187.7	151.0	160.3	254.9
600	164.5	220.2	160.0	236.6	163.1	145.6	144.7	244.1
550	152.8	198.2	145.8	222.4	143.1	133.7	133.6	233.3
500	145.7	179.1	134.9	195.0	128.8	121.6	125.6	222.5
450	142.9	168.5	132.8	170.2	127.9	140.5	130.1	183.8
400	166.9	162.8	189.7	152.3	156.2	198.4	202.5	159.3
350		168.2		155.6				165.5
300		222.6		192.3				172.6
LUNG	-80.38	-79.00	-77.78	-76.68	-75.76	-74.87	-74.12	-73.43
LAT	-63.37	-61.47	-59.61	-57.66	-55.80	-53.85	-51.90	-49.99
QUAL	33	32	32	33	32	33	32	23

Table III.—Continued

PASS 968 AT SOLANT, 6212 9								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	52249	52324	52400	52436	52511	52547	52622	52640
1000	0.266	0.301	0.265	0.243	0.249	0.223	0.216	0.214
950	0.290	0.324	0.284	0.268	0.271	0.237	0.233	0.233
900	0.321	0.360	0.315	0.308	0.299	0.267	0.261	0.257
850	0.359	0.406	0.356	0.362	0.339	0.302	0.300	0.298
800	0.416	0.474	0.434	0.439	0.397	0.370	0.358	0.368
750	0.498	0.590	0.557	0.551	0.492	0.460	0.445	0.504
700	0.604	0.762	0.747	0.714	0.634	0.568	0.605	0.707
650	0.734	1.014	1.053	0.925	0.861	0.829	0.859	0.938
600	0.938	1.440	1.496	1.279	1.248	1.210	1.213	1.253
550	1.226	2.168	2.128	1.882	1.723	1.670	1.796	1.935
500	1.613	3.264	3.029	2.631	2.606	2.681	2.725	2.876
450	2.123	4.754	4.249	3.883	3.786	3.861	4.121	4.349
400	2.871	6.237	5.682	5.302	5.265	5.657	6.057	6.356
350	3.858							
300	5.043							
HEIGHT	SCALE HEIGHT, KM							
	540.8	579.9	601.4	429.4	563.3	619.6	547.1	523.0
950	540.8	579.9	601.4	429.4	563.3	619.6	547.1	523.0
900	462.9	461.2	467.4	336.4	457.8	401.1	413.8	427.8
850	391.4	372.2	321.7	275.2	353.9	327.2	325.2	282.8
800	326.8	274.8	218.8	243.8	276.9	261.8	261.0	178.6
750	270.0	199.2	185.9	221.2	218.0	217.4	200.1	171.1
700	251.4	184.6	158.8	207.4	181.9	185.2	154.9	164.3
650	232.7	165.3	150.2	187.5	139.5	159.1	141.7	159.5
600	212.9	135.6	144.7	123.3	139.0	139.5	138.4	149.7
550	192.4	122.8	143.1	137.5	138.7	131.5	128.8	120.8
500	183.0	127.8	144.9	135.6	128.6	127.1	117.4	124.8
450	175.9	149.9	157.3	143.7	140.9	131.6	119.3	126.5
400	168.9	246.0	230.1	210.0	177.1	162.3	153.9	153.6
350	179.0							
300	209.0							
LONG	-72.80	-72.25	-71.72	-71.25	-70.82	-70.41	-70.04	-69.86
LAT	-48.03	-46.11	-44.14	-42.15	-40.22	-38.24	-36.30	-35.31
QUAL	33	33	23	23	23	23	23	23

Table III.—Continued

PASS 969 AT FIMYRS, 6212 9	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	54028
1000	0.101
950	0.171
900	0.178
850	0.187
800	0.201
750	0.219
700	0.246
650	0.260
600	0.343
550	0.475
500	0.652
450	1.055
400	1.788
350	2.756
300	
HEIGHT	SCALE HEIGHT, KM
950	
900	104.3
850	832.9
800	695.9
750	558.9
700	445.9
650	345.4
600	179.5
550	149.5
500	135.6
450	93.0
400	106.4
350	151.8
300	
LONG	-62.21
LAT	31.22
QUAL	33

Table III.—Continued

PASS 982 AT AGASTA, 621210				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	60436	60512	60548	60623
1000	0.240	0.237	0.213	0.217
950	0.276	0.276	0.253	0.249
900	0.321	0.335	0.300	0.285
850	0.375	0.415	0.357	0.325
800	0.445	0.517	0.427	0.374
750	0.540	0.641	0.512	0.434
700	0.673	0.810	0.623	0.528
650	0.881	1.061	0.784	0.656
600	1.229	1.403	1.025	0.837
550	1.856	1.868	1.396	1.116
500	2.853	2.511	1.969	1.536
450	4.026	3.479	2.799	2.171
400	5.617	4.878		
350				
300				
HEIGHT	SCALE HEIGHT, KM			
	341.5	312.9	311.2	374.3
950	341.5	312.9	311.2	374.3
900	320.8	278.3	299.9	367.8
850	302.6	243.7	288.5	352.1
800	279.2	231.9	275.9	329.8
750	250.3	224.1	262.9	305.2
700	209.7	203.4	240.1	256.9
650	171.6	182.1	202.5	219.7
600	140.5	177.3	180.1	195.0
550	118.9	173.2	155.0	170.6
500	132.2	163.0	143.3	152.1
450	148.8	147.2	139.8	144.4
400	157.4	162.6		
350				
300				
LONG	-80.90	-80.58	-80.28	-79.84
LAT	-33.46	-31.46	-29.46	-26.23
QUAL	33	33	33	33

Table III.—Continued

PASS 1003 AT OTTAWA, 621211								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	180321	180356	180432	180507	180543	180619	180654	180730
1000	0.173	0.112	0.191	0.167	0.177	0.170	0.158	0.159
950	0.198	0.140	0.218	0.193	0.203	0.199	0.184	0.186
900	0.226	0.164	0.244	0.221	0.235	0.230	0.214	0.218
850	0.255	0.190	0.275	0.252	0.269	0.267	0.248	0.254
800	0.293	0.222	0.315	0.293	0.313	0.313	0.292	0.299
750	0.343	0.262	0.368	0.343	0.370	0.372	0.347	0.358
700	0.420	0.326	0.438	0.419	0.444	0.456	0.433	0.444
650	0.531	0.410	0.537	0.525	0.553	0.573	0.550	0.561
600	0.673	0.517	0.676	0.674	0.698	0.729	0.701	0.711
550	0.865	0.646	0.880	0.862	0.925	0.981	0.955	0.957
500	1.134	0.870	1.186	1.192	1.270	1.384	1.342	1.348
450	1.489	1.212	1.661	1.716	1.812	2.045	2.001	1.992
400	1.959	1.710	2.446	2.594	2.730	3.130	3.157	3.056
350	2.591	2.409	3.671	4.078	4.393	4.902	4.957	4.746
300		3.433	5.654	6.366	6.966	7.568	7.755	7.316
HEIGHT	SCALE HEIGHT, KM							
	375.8		427.1	366.9	352.6	334.0	328.8	311.0
950	375.8		427.1	366.9	352.6	334.0	328.8	311.0
900	396.6	327.0	426.9	375.8	363.5	339.5	334.1	323.3
850	375.4	321.4	390.0	343.9	344.8	317.9	317.3	309.1
800	343.8	298.0	348.0	317.7	315.8	296.9	291.6	286.1
750	275.3	273.5	308.5	291.4	281.6	276.8	265.3	260.1
700	232.3	232.5	265.0	241.7	245.9	231.5	219.3	227.9
650	225.2	213.5	233.8	211.0	224.6	209.7	199.9	209.3
600	218.1	208.3	210.1	199.3	204.5	194.4	186.7	194.7
550	204.1	203.1	184.1	187.5	173.0	160.8	164.4	160.5
500	185.5	167.7	159.7	157.2	153.4	137.8	140.0	139.7
450	183.0	152.7	139.2	126.7	129.3	124.9	119.3	122.4
400	181.0	148.0	129.6	119.4	120.1	113.9	105.1	116.5
350	178.7	144.5	118.4	109.1	100.4	109.1	113.8	115.1
300		140.5	116.9	118.2	116.5	129.5	127.0	135.0
LONG	-88.08	-87.49	-86.96	-86.46	-86.01	-85.59	-85.21	-84.85
LAT	48.41	46.47	44.47	42.52	40.50	38.49	36.53	34.50
QUAL	33	33	33	33	33	23	23	32

Table III.—Continued

PASS 1003 AT OTTAWA, 621211				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	180805	180841	180917	180952
1000	0.154	0.143	0.178	0.205
950	0.189	0.171	0.204	0.237
900	0.221	0.200	0.235	0.271
850	0.256	0.234	0.276	0.313
800	0.300	0.277	0.326	0.365
750	0.361	0.334	0.393	0.431
700	0.446	0.416	0.480	0.539
650	0.563	0.524	0.593	0.679
600	0.722	0.682	0.765	0.854
550	0.971	0.915	1.025	1.155
500	1.354	1.286	1.420	1.592
450	2.024	1.906	2.083	2.332
400	3.103	2.988	3.239	3.616
350	4.910	4.754	4.979	5.711
300	7.600	7.646	8.088	8.852
HEIGHT	SCALE HEIGHT, KM			
	180805	180841	180917	180952
950	311.1	311.1	372.7	378.2
900	325.8	316.1	331.9	359.8
850	315.2	296.8	303.5	333.5
800	291.6	278.0	286.5	295.7
750	260.1	255.3	260.6	257.5
700	230.3	223.8	237.8	240.0
650	206.0	202.9	216.3	222.5
600	187.4	183.9	189.4	204.9
550	165.5	161.6	167.0	174.8
500	140.8	138.6	147.6	146.5
450	117.8	117.6	123.0	122.7
400	115.4	109.5	116.8	108.5
350	111.1	106.1	101.9	114.1
300	131.0	115.8	123.0	125.2
LONG	-84.52	-84.20	-83.90	-83.62
LAT	32.54	30.51	28.48	26.51
QUAL	22	32	32	33

Table III.—Continued

PASS 1003 AT QUITOE, 621211								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	181216	181309	181345	181421	181456	181532	181607	181754
1000	0.192	0.202	0.210	0.212	0.229	0.236	0.242	0.270
950	0.223	0.230	0.240	0.241	0.254	0.261	0.271	0.296
900	0.255	0.262	0.269	0.271	0.286	0.292	0.302	0.326
850	0.295	0.299	0.305	0.309	0.326	0.333	0.341	0.367
800	0.346	0.346	0.360	0.358	0.378	0.387	0.393	0.420
750	0.412	0.409	0.434	0.423	0.450	0.457	0.463	0.493
700	0.500	0.497	0.529	0.521	0.552	0.561	0.561	0.597
650	0.646	0.625	0.676	0.661	0.717	0.709	0.712	0.763
600	0.852	0.821	0.887	0.880	0.952	0.934	0.926	1.020
550	1.160	1.154	1.216	1.220	1.286	1.280	1.253	1.463
500	1.695	1.679	1.798	1.785	1.837	1.849	1.796	2.265
450	2.592	2.578	2.763	2.720	2.742	2.760	2.729	3.750
400	4.124	4.100	4.391	4.257	4.112	4.060	4.205	6.306
350	6.648	6.632	6.947	6.387	5.716	5.527	5.997	10.119
300	10.521		9.928					
HEIGHT	SCALE HEIGHT, KM							
	181216	181309	181345	181421	181456	181532	181607	181754
950	384.0	388.1	410.6	410.3	444.4	465.3	462.0	527.5
900	355.7	380.5	406.3	394.4	399.3	411.6	428.5	469.8
850	330.2	355.5	347.3	362.0	360.3	360.7	382.1	396.5
800	299.2	318.3	306.3	321.2	314.5	320.4	333.7	340.6
750	263.1	283.1	265.2	266.9	277.8	268.4	288.2	287.1
700	226.8	240.8	223.3	232.5	203.7	226.9	227.9	238.1
650	201.6	198.5	202.2	198.2	190.2	204.9	208.1	200.3
600	176.0	167.7	177.3	164.8	174.8	177.4	184.6	162.2
550	149.3	140.9	145.8	145.3	155.4	151.1	154.6	127.3
500	126.3	127.3	123.5	124.9	133.5	131.6	130.4	108.0
450	113.7	111.9	110.3	116.5	121.2	125.3	114.7	93.7
400	104.6	105.4	110.6	112.8	135.0	141.1	125.9	102.9
350	103.0	109.4	115.1	150.1	199.9	231.6	184.2	116.9
300	128.5		203.2					
LONG	-82.63	-82.31	-82.10	-81.89	-81.69	-81.49	-81.30	-80.74
LAT	18.39	15.39	13.35	11.31	9.34	7.30	5.32	-0.73
QUAL	33	23	23	23	22	21	22	33

Table III. —Continued

PASS 1003 AT QUITOE, 621211								
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)								
HEIGHT	TIME (UT)							
	181848	181923	181959	182034	182337	182412	182448	182524
1000	0.286	0.291	0.293	0.307	0.305	0.296	0.304	0.316
950	0.311	0.320	0.317	0.338	0.339	0.325	0.336	0.349
900	0.342	0.351	0.348	0.369	0.374	0.358	0.372	0.389
850	0.382	0.391	0.388	0.409	0.418	0.401	0.420	0.442
800	0.433	0.444	0.439	0.461	0.477	0.458	0.466	0.512
750	0.505	0.518	0.509	0.536	0.557	0.535	0.574	0.604
700	0.609	0.630	0.619	0.661	0.684	0.644	0.703	0.747
650	0.774	0.812	0.810	0.868	0.885	0.805	0.896	0.953
600	1.071	1.136	1.189	1.327	1.232	1.059	1.195	1.244
550	1.595	1.766	1.954	2.239	1.906	1.492	1.687	1.742
500	2.622	3.045	3.602	4.217	3.168	2.308	2.546	2.550
450	4.748	5.590	6.986	8.280	5.443	3.799	4.085	3.871
400	8.575	10.924	12.810		9.091	6.261	6.463	5.579
350	14.319				12.971	9.390	9.205	7.823
300								10.454
HEIGHT	SCALE HEIGHT, KM							
	553.4	559.2	570.4	563.9	498.4	538.3	486.7	469.5
950	553.4	559.2	570.4	563.9	498.4	538.3	486.7	469.5
900	490.9	498.7	501.3	523.6	476.2	475.1	436.8	421.6
850	420.0	432.8	442.0	458.2	415.8	408.6	380.8	371.1
800	366.3	357.8	367.9	377.9	351.3	353.8	334.2	334.8
750	298.8	292.9	293.5	285.0	279.1	296.3	274.2	250.1
700	239.4	229.4	229.2	211.0	221.5	247.3	228.5	228.3
650	183.6	174.8	169.6	168.6	177.6	212.6	198.2	203.8
600	141.6	134.1	113.5	105.8	139.2	172.9	163.5	171.5
550	115.5	102.3	90.2	84.1	107.4	133.0	135.4	143.4
500	92.3	86.5	78.5	75.4	92.8	106.9	113.7	123.8
450	85.2	77.3	72.2	77.9	97.4	99.5	105.4	126.9
400	86.8	83.3	128.2		105.2	103.0	118.2	143.0
350	116.0				295.1	151.3	174.5	157.0
300								240.1
LONG	-80.45	-80.27	-80.08	-79.88	-78.79	-78.56	-79.30	-78.04
LAT	-3.78	-5.76	-7.80	-9.78	-20.10	-22.08	-24.10	-26.13
QUAL	33	33	33	33	33	33	31	32

Table III.—Continued

PASS 1003 AT QUITOE, 621211		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	182559	182635
1000	0.316	0.333
950	0.350	0.365
900	0.392	0.408
850	0.448	0.466
800	0.523	0.541
750	0.625	0.646
700	0.770	0.800
650	0.977	1.023
600	1.301	1.348
550	1.813	1.868
500	2.645	2.700
450	3.918	4.007
400	5.711	5.801
350	7.864	7.947
300	10.150	
HEIGHT	SCALE HEIGHT, KM	
	182559	182635
950	468.2	492.5
900	406.6	415.9
850	346.3	346.5
800	302.9	306.5
750	264.6	267.7
700	234.0	230.2
650	200.5	198.8
600	165.5	170.8
550	143.4	145.5
500	129.6	130.7
450	126.7	129.0
400	141.5	146.0
350	176.7	177.4
300	259.6	
LONG	-77.78	-77.48
LAT	-28.09	-30.11
QUAL	32	33

Table III.—Continued

PASS 1003 AT SOLANT, 621211								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	182746	182821	182857	182932	183008	183044	183137	183213
1000	0.332	0.327	0.330	0.347	0.336	0.343	0.319	0.336
950	0.369	0.358	0.364	0.382	0.371	0.378	0.352	0.371
900	0.414	0.397	0.406	0.424	0.412	0.419	0.392	0.412
850	0.471	0.455	0.460	0.482	0.470	0.473	0.444	0.462
800	0.550	0.537	0.533	0.556	0.544	0.542	0.509	0.527
750	0.657	0.641	0.633	0.661	0.645	0.637	0.590	0.618
700	0.798	0.767	0.759	0.792	0.771	0.767	0.707	0.740
650	1.010	0.948	0.945	0.994	0.949	0.956	0.863	0.909
600	1.326	1.236	1.231	1.299	1.228	1.240	1.098	1.145
550	1.831	1.651	1.659	1.760	1.667	1.674	1.439	1.502
500	2.598	2.359	2.321	2.440	2.334	2.291	1.952	2.001
450	3.758	3.437	3.332	3.447	3.320	3.179	2.749	2.758
400	5.413	4.991	4.744	4.847	4.683	4.435	3.864	3.833
350	7.669	7.049	6.629	6.589	6.434	6.054	5.414	5.239
300	10.186		8.440			7.545	7.088	
HEIGHT	SCALE HEIGHT, KM							
	437.3	494.3	465.3	480.4	470.1	495.4	470.1	483.3
950	437.3	494.3	465.3	480.4	470.1	495.4	470.1	483.3
900	400.8	423.5	422.3	430.8	421.4	454.0	434.5	446.4
850	358.1	363.7	373.0	376.0	370.5	392.6	390.4	413.3
800	308.8	308.6	317.5	319.4	319.1	336.6	346.5	347.2
750	272.6	277.9	284.8	287.5	291.1	290.7	303.3	294.5
700	242.0	255.6	256.8	256.7	265.1	250.5	270.4	267.3
650	207.5	223.6	221.0	216.4	228.5	217.7	237.0	237.7
600	172.9	182.8	181.0	178.8	181.7	184.4	200.1	205.1
550	149.6	160.6	161.6	161.1	158.3	161.7	178.7	182.8
500	140.3	135.7	144.1	149.7	146.0	157.5	153.1	165.9
450	135.7	134.9	139.2	143.8	141.8	151.2	146.7	153.9
400	137.6	138.1	141.7	153.9	150.5	154.9	147.0	154.7
350	158.8	161.6	173.1	187.7	197.0	185.2	161.6	177.3
300	256.0		328.6			342.7	257.3	
LONG	-76.65	-76.50	-76.13	-75.72	-75.28	-74.80	-74.02	-73.42
LAT	-34.08	-36.03	-38.03	-39.98	-41.97	-43.96	-46.87	-48.85
QUAL	23	23	23	23	23	23	33	33

Table III. —Continued

PASS 1003 AT SULANT, 621211							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	183540	183616	183652	183727	183821	183914	184025
1000	0.278	0.289	0.279	0.285	0.299	0.292	0.393
950	0.313	0.321	0.312	0.312	0.330	0.326	0.444
900	0.352	0.359	0.350	0.350	0.369	0.367	0.497
850	0.401	0.405	0.396	0.398	0.417	0.415	0.563
800	0.458	0.463	0.452	0.455	0.473	0.472	0.643
750	0.536	0.540	0.525	0.526	0.545	0.544	0.742
700	0.631	0.642	0.620	0.622	0.643	0.639	0.865
650	0.770	0.769	0.738	0.752	0.766	0.759	1.014
600	0.956	0.953	0.913	0.929	0.926	0.915	1.209
550	1.220	1.194	1.140	1.163	1.150	1.118	1.460
500	1.568	1.519	1.446	1.472	1.457	1.400	1.816
450	1.993	1.929	1.808	1.854	1.842	1.757	2.300
400	2.500	2.441	2.284	2.306	2.303	2.228	2.947
350	3.262	3.042	2.788		2.807	2.781	
300							
HEIGHT	SCALE HEIGHT, KM						
	411.5	451.5	432.3	475.7	473.7	427.2	441.5
950	411.5	451.5	432.3	475.7	473.7	427.2	441.5
900	396.7	423.6	415.4	423.0	435.8	412.6	413.9
850	372.1	398.0	396.9	381.4	406.5	400.9	391.6
800	347.3	355.7	354.0	353.1	364.3	361.1	367.3
750	315.2	299.8	309.3	322.4	331.6	329.5	339.0
700	283.2	282.1	290.5	287.9	307.0	308.7	318.2
650	252.8	264.5	271.6	259.3	281.0	286.9	300.6
600	219.9	238.1	243.5	234.8	251.8	263.0	277.3
550	205.4	218.4	223.1	217.1	226.1	242.3	251.4
500	206.4	211.1	221.3	217.0	215.3	226.2	224.8
450	203.5	211.3	219.1	223.3	219.1	216.5	208.1
400	201.3	219.2	227.0	243.0	230.3	220.8	195.4
350	294.2	290.1	344.1		330.4	264.5	
300							
LONG	-68.43	-67.15	-65.70	-64.69	-63.31	-61.36	-55.97
LAT	-60.04	-61.95	-63.84	-64.96	-66.35	-68.05	-71.55
QUAL	33	33	32	33	32	32	33

Table III.—Continued

PASS 1030 AT RESLUT, 621213								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	172241	172238	172256	172332	172759	172817	172834	172849
1000	0.018	0.023	0.171	0.048	0.074	0.066	0.061	0.074
950	0.020	0.029	0.183	0.055	0.087	0.076	0.070	0.088
900	0.023	0.035	0.191	0.062	.102	0.090	0.083	0.104
850	0.027	0.041	0.202	0.069	0.120	0.109	0.101	0.124
800	0.033	0.048	0.222	0.097	0.140	0.130	0.122	0.146
750	0.040	0.057	0.251	0.140	0.164	0.155	0.146	0.170
700	0.050	0.072	0.280		0.192	0.188	0.174	0.204
650	0.067	0.093	0.318		0.228	0.232	0.211	0.247
600	0.089	0.122	0.377		0.287	0.287	0.256	0.307
550	0.122	0.164	0.466		0.362	0.365	0.327	0.387
500	0.171	0.228	0.591		0.463	0.471	0.424	0.501
450	0.240	0.321	0.764		0.587	0.623	0.560	0.647
400	0.324	0.428	1.015		0.778	0.829	0.745	0.860
350	0.438	0.573	1.367		1.050	1.120	1.026	1.180
300	0.603	0.792	1.850		1.439	1.532	1.445	1.648
HEIGHT	SCALE HEIGHT, KM							
	172241	172238	172256	172332	172759	172817	172834	172849
950	569.1	248.5	1004.2	428.6	326.7	327.5	315.6	299.4
900	335.0	286.3	956.3	370.3	319.3	281.2	284.0	292.9
850	307.7	298.3	722.7	293.8	319.7	271.7	268.0	302.1
800	280.5	282.6	595.9	263.6	313.2	278.9	277.4	299.0
750	240.9	255.5	469.1	233.3	299.3	260.8	278.3	290.7
700	197.4	203.5	412.1		281.8	246.8	263.6	271.7
650	174.2	192.8	344.6		263.2	237.2	249.9	252.8
600	169.2	184.2	269.2		239.0	227.6	236.1	229.1
550	158.3	162.6	232.6		214.9	209.2	206.9	204.7
500	143.5	158.4	205.6		205.7	189.0	188.2	198.0
450	158.1	164.5	188.1		197.0	182.0	192.8	190.8
400	164.5	168.5	176.5		178.3	171.8	164.6	169.5
350	160.4	165.0	170.5		165.4	164.1	151.8	158.4
300	154.7	158.2	198.4		163.3	157.0	149.9	147.1
LONG	-129.88	-125.84	-121.57	-115.24	-91.73	-91.04	-90.39	-89.83
LAT	78.83	78.31	77.75	76.34	63.37	62.41	61.50	60.70
QUAL	33	33	33	33	23	33	33	33

Table III.—Continued

PASS 1030 AT RESLUT, 621213			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	172910	173024	173042
1000	0.091	0.091	0.093
950	0.104	0.108	0.109
900	0.118	0.125	0.126
850	0.137	0.146	0.145
800	0.161	0.169	0.168
750	0.188	0.197	0.196
700	0.223	0.233	0.233
650	0.275	0.279	0.278
600	0.340	0.335	0.337
550	0.428	0.418	0.422
500	0.543	0.535	0.544
450	0.697	0.699	0.708
400	0.922	0.921	0.935
350	1.253	1.250	1.283
300	1.747	1.733	1.797
HEIGHT	SCALE HEIGHT, KM		
950	408.2	326.5	330.0
900	361.2	328.4	341.6
850	334.3	329.4	336.2
800	312.4	326.8	320.5
750	290.2	306.1	305.9
700	270.0	288.5	293.4
650	253.1	273.7	280.9
600	236.1	259.0	246.6
550	222.2	222.0	207.5
500	209.8	197.7	199.8
450	192.6	191.3	188.7
400	170.8	169.3	170.0
350	162.5	161.9	158.3
300	144.0	148.5	145.6
LONG	-89.11	-86.99	-86.55
LAT	59.57	55.55	54.57
QUAL	33	33	33

Table III.—Continued

PASS 1030 AT SULANT, 621213							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	175821	175857	175932	180008	180043	180119	180155
1000	0.214	0.196	0.191	0.173	0.158	0.154	0.131
950	0.233	0.215	0.206	0.190	0.174	0.172	0.143
900	0.256	0.238	0.231	0.211	0.192	0.193	0.161
850	0.284	0.265	0.263	0.238	0.212	0.217	0.184
800	0.318	0.296	0.295	0.271	0.240	0.247	0.212
750	0.337	0.333	0.330	0.311	0.284	0.281	0.244
700	0.412	0.390	0.387	0.363	0.337	0.331	0.286
650	0.490	0.470	0.463	0.432	0.401	0.395	0.341
600	0.600	0.572	0.564	0.533	0.493	0.488	0.423
550	0.767	0.716	0.718	0.684	0.624	0.616	0.535
500	1.017	0.928	0.928	0.888	0.802	0.793	0.698
450	1.352	1.236	1.215	1.169	1.057	1.032	0.915
400	1.902	1.714	1.631	1.573	1.413	1.378	1.227
350	2.839	2.447	2.302	2.215	1.983	1.918	1.747
300	4.098	3.538	3.639	3.453	2.983	2.830	2.532
HEIGHT	SCALE HEIGHT, KM						
	175821	175857	175932	180008	180043	180119	180155
950	543.7	512.4	524.5	480.2	511.8	433.3	451.3
900	499.5	481.1	450.6	442.1	470.9	418.3	412.4
850	463.1	444.4	411.6	407.7	427.9	404.1	379.0
800	437.0	405.1	396.3	376.5	384.4	374.9	354.8
750	403.7	365.8	373.5	347.0	340.1	340.5	331.9
700	309.8	326.3	315.3	309.7	297.5	304.8	300.1
650	276.4	286.7	269.0	265.6	262.1	263.9	264.9
600	237.2	247.7	234.4	220.8	234.5	235.9	232.9
550	192.4	210.8	202.7	199.4	211.4	209.1	204.4
500	177.3	186.8	189.3	188.8	192.3	193.4	186.7
450	162.3	164.6	179.8	172.7	179.9	183.9	178.5
400	134.4	148.4	159.3	163.1	163.6	162.1	159.8
350	129.1	136.6	131.6	130.3	136.3	138.6	135.3
300	149.6	142.8	100.5	114.5	114.2	135.0	156.9
LUNG	-72.22	-71.79	-71.33	-70.85	-70.32	-69.74	-69.11
LAT	-38.64	-40.63	-42.57	-44.55	-46.47	-48.45	-50.43
QUAL	33	23	33	23	33	32	33

Table III.—Continued

PASS 1030 AT SOLANT, 621213					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	180449	180524	180636	180805	181138
1000	0.099	0.105	0.114	0.130	0.185
950	0.111	0.118	0.128	0.145	0.208
900	0.126	0.132	0.143	0.162	0.232
850	0.143	0.149	0.162	0.182	0.259
800	0.164	0.170	0.184	0.205	0.294
750	0.187	0.199	0.210	0.235	0.337
700	0.218	0.233	0.245	0.272	0.387
650	0.261	0.275	0.292	0.321	0.457
600	0.317	0.337	0.354	0.383	0.546
550	0.369	0.418	0.434	0.459	0.664
500	0.482	0.530	0.547	0.579	0.825
450	0.627	0.676	0.701	0.731	1.046
400	0.823	0.888	0.915	0.948	1.332
350	1.127	1.229	1.227	1.266	1.696
300	1.640	1.755	1.730	1.750	2.190
HEIGHT	SCALE HEIGHT, KM				
	412.0	438.2	432.7	455.4	445.8
950	412.0	438.2	432.7	455.4	445.8
900	386.2	414.5	412.7	433.5	433.8
850	368.7	380.8	390.3	411.6	417.9
800	356.1	344.0	386.0	389.8	394.5
750	343.5	325.1	366.8	357.3	363.2
700	314.6	306.6	298.6	322.5	317.4
650	275.7	286.6	276.4	297.0	297.5
600	251.8	252.7	254.4	275.4	277.7
550	235.7	222.7	232.3	253.8	254.3
500	218.7	205.6	215.5	230.4	226.8
450	198.9	197.2	201.8	207.2	206.0
400	176.0	175.0	183.9	186.4	208.5
350	147.6	147.0	156.3	167.9	202.6
300	133.9	153.6	148.3	153.2	205.1
LONG	-64.78	-63.54	-60.42	-55.03	-24.17
LAT	-59.81	-61.66	-65.43	-69.93	-78.82
QUAL	32	32	33	32	32

Table III.—Continued

PASS 1036 AT AGASTA, 621214							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	50220	50255	50401	50437	50512	50548	50624
1000	0.138	0.134	0.130	0.135	0.122	0.111	0.042
950	0.162	0.158	0.161	0.167	0.149	0.137	0.062
900	0.200	0.200	0.202	0.206	0.181	0.171	0.086
850	0.252	0.260	0.255	0.252	0.226	0.217	0.117
800	0.323	0.339	0.323	0.309	0.284	0.274	0.162
750	0.449	0.441	0.407	0.381	0.354	0.347	0.219
700	0.647	0.618	0.544	0.501	0.461	0.437	0.294
650	0.977	0.863	0.744	0.674	0.623	0.573	0.400
600	1.506	1.215	1.063	0.958	0.868	0.783	0.572
550	2.304	1.760	1.569	1.413	1.231	1.106	0.863
500	3.473	2.545	2.300	2.011	1.788	1.608	1.429
450		3.604	3.212	2.765	2.521	2.466	2.538
400		4.857		3.607	3.432		
350							
300							
HEIGHT	SCALE HEIGHT, KM						
	950	900	850	800	750	700	650
950	263.2	250.5	238.5	240.1	247.5	237.9	
900	233.6	227.5	224.0	243.0	243.4	228.4	
850	207.9	208.3	213.5	244.1	232.5	220.9	
800	181.0	188.7	204.6	229.9	219.8	214.1	
750	144.4	169.3	196.1	211.6	205.7	209.4	171.5
700	131.7	158.6	174.7	187.2	184.0	202.0	165.9
650	119.0	149.7	152.7	159.6	161.7	174.6	152.2
600	117.1	141.4	135.7	136.2	148.2	156.0	132.6
550	120.0	136.3	130.5	133.0	139.5	140.4	114.1
500	131.1	140.8	137.6	150.5	140.1	126.1	86.2
450		149.5	175.0	163.0	152.6	117.7	101.8
400		223.8		256.7	205.5		
350							
300							
LONG	-73.72	-73.38	-72.80	-72.51	-72.24	-71.98	-71.73
LAT	-35.84	-33.91	-30.23	-28.24	-26.29	-24.28	-22.27
QUAL	23	23	23	23	23	23	23

Table III.—Continued

PASS 1057 AT RESLUT, 621215				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	165718	165736	165754	165812
1000	0.065	0.071	0.072	0.082
950	0.077	0.083	0.085	0.096
900	0.090	0.097	0.099	0.112
850	0.107	0.115	0.118	0.131
800	0.128	0.138	0.141	0.152
750	0.153	0.164	0.168	0.177
700	0.182	0.192	0.200	0.215
650	0.220	0.236	0.246	0.261
600	0.276	0.295	0.305	0.321
550	0.350	0.367	0.385	0.410
500	0.457	0.468	0.509	0.544
450	0.594	0.596	0.673	0.735
400	0.800	0.784	0.930	1.011
350	1.106	1.065	1.335	1.463
300	1.537	1.471	1.968	2.158
HEIGHT	SCALE HEIGHT, KM			
	311.3	338.3	323.0	325.0
950	311.3	338.3	323.0	325.0
900	294.2	301.2	301.4	319.8
850	291.3	292.3	291.6	318.5
800	288.7	289.6	284.8	305.5
750	284.3	277.5	275.2	292.4
700	270.2	265.4	265.1	276.0
650	235.8	252.2	246.2	259.6
600	220.1	238.6	224.4	227.9
550	204.3	224.9	191.5	189.9
500	194.3	211.4	183.6	178.5
450	184.5	197.9	175.8	164.6
400	165.1	179.2	144.6	148.6
350	157.5	161.8	138.9	133.4
300	156.1	161.3	125.1	126.8
LONG	-87.71	-87.00	-86.28	-85.66
LAT	63.04	62.08	61.12	60.15
QUAL	33	33	33	23

Table III.—Continued

PASS 1057 AT QUITOE, 621215							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	172019	172055	172130	172206	172238	172335	172411
1000	0.363	0.362	0.356	0.360	0.359	0.320	0.310
950	0.400	0.401	0.396	0.401	0.399	0.364	0.354
900	0.451	0.451	0.445	0.451	0.448	0.418	0.409
850	0.527	0.522	0.511	0.519	0.516	0.488	0.478
800	0.641	0.628	0.608	0.609	0.607	0.580	0.575
750	0.829	0.827	0.776	0.749	0.732	0.704	0.709
700	1.124	1.132	1.046	0.999	0.925	0.877	0.883
650	1.659	1.648	1.518	1.426	1.266	1.153	1.170
600	2.596	2.616	2.381	2.164	1.910	1.618	1.634
550	4.315	4.377	3.939	3.526	3.092	2.458	2.442
500	6.786	6.874	6.527	5.835	5.173	4.061	3.912
450		8.910	9.365	9.206		6.813	6.413
400				12.133		11.269	10.364
350							
300							
HEIGHT	SCALE HEIGHT, KM						
	172019	172055	172130	172206	172238	172335	172411
950	464.6	454.3	437.4	437.3	442.6	372.0	352.7
900	372.1	389.9	394.8	388.6	393.9	341.5	326.8
850	282.0	296.4	333.6	334.9	340.3	310.2	293.6
800	229.5	231.8	246.1	278.8	289.3	272.7	258.1
750	192.9	187.6	184.9	212.2	239.8	245.4	231.9
700	153.2	151.1	155.6	165.6	189.9	202.4	208.3
650	122.5	122.5	123.9	134.7	145.6	168.7	170.6
600	100.9	99.9	104.3	109.4	113.5	136.4	138.0
550	102.9	101.4	97.5	98.6	98.8	110.0	116.2
500	135.1	131.6	113.5	105.2	98.5	96.1	103.4
450		414.2	169.9	126.0		95.2	100.0
400				317.1		109.6	105.4
350							
300							
LONG	-71.82	-71.61	-71.39	-71.16	-70.95	-70.54	-70.27
LAT	-14.25	-16.28	-18.25	-20.28	-22.07	-25.28	-27.30
QUAL	32	32	32	32	33	33	33

Table III.—Continued

PASS 1057 AT SOLANT, 621215								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	172504	172539	172615	172651	172726	172802	172910	172956
1000	0.323	0.311	0.301	0.277	0.259	0.265	0.252	0.229
950	0.366	0.351	0.332	0.296	0.282	0.284	0.276	0.252
900	0.415	0.399	0.371	0.337	0.313	0.313	0.308	0.280
850	0.476	0.459	0.425	0.387	0.357	0.345	0.344	0.313
800	0.559	0.550	0.518	0.439	0.413	0.389	0.389	0.356
750	0.682	0.668	0.641	0.539	0.481	0.468	0.452	0.413
700	0.862	0.825	0.800	0.658	0.600	0.569	0.537	0.492
650	1.142	1.046	1.020	0.850	0.772	0.694	0.664	0.602
600	1.606	1.403	1.398	1.157	1.016	0.944	0.847	0.758
550	2.333	2.113	1.997	1.663	1.424	1.320	1.102	0.995
500	3.617	3.308	2.999	2.555	2.148	1.911	1.512	1.350
450	5.558	5.170	4.641	4.101	3.395	3.060	2.203	1.927
400	8.430	8.162	7.120	6.576	5.522	4.974	3.514	2.925
350	12.221	11.893	10.511	9.889	8.647		5.688	4.396
300					12.547			6.609
HEIGHT	SCALE HEIGHT, KM							
	406.7	391.2	465.5	582.9	528.1	641.0	508.2	480.7
950	406.7	391.2	465.5	582.9	528.1	641.0	508.2	480.7
900	383.9	357.4	395.1	387.8	437.1	483.0	456.2	451.3
850	339.3	323.2	331.3	350.9	358.8	430.8	419.6	418.9
800	277.3	287.2	280.7	317.4	320.9	368.6	376.9	368.9
750	234.4	252.1	236.5	245.2	282.9	281.8	326.4	315.3
700	205.1	221.1	215.6	222.1	231.6	239.9	252.8	265.3
650	167.4	193.8	188.5	186.4	190.6	210.6	223.7	237.0
600	141.2	141.6	152.2	153.2	170.1	172.5	199.5	207.7
550	126.3	117.2	131.4	126.4	141.7	146.6	180.0	177.9
500	110.4	109.7	118.6	114.3	114.0	117.2	153.8	153.7
450	119.4	108.4	113.2	98.6	106.6	100.0	116.6	132.3
400	125.6	121.7	124.4	105.3	99.9	114.3	105.2	118.6
350	156.2	152.6	141.4	128.3	118.0		113.0	116.9
300					163.9			145.1
LONG	-69.85	-69.55	-69.21	-68.86	-68.48	-68.08	-67.20	-66.54
LAT	-30.26	-32.22	-34.22	-36.23	-38.17	-40.17	-43.93	-46.46
QUAL	33	23	23	33	32	32	33	22

Table III.—Continued

PASS 1057 AT SULANT, 621215								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	173021	173057	173133	173226	173413	173524	173636	173747
1000	0.216	0.196	0.188	0.237	0.220	0.198	0.210	0.230
950	0.241	0.215	0.202	0.256	0.236	0.217	0.227	0.255
900	0.269	0.239	0.219	0.284	0.256	0.240	0.253	0.281
850	0.303	0.271	0.250	0.317	0.284	0.268	0.286	0.314
800	0.343	0.309	0.267	0.354	0.322	0.302	0.318	0.353
750	0.393	0.357	0.324	0.403	0.369	0.345	0.362	0.398
700	0.464	0.421	0.366	0.470	0.429	0.403	0.424	0.454
650	0.559	0.508	0.452	0.557	0.514	0.479	0.502	0.537
600	0.691	0.632	0.567	0.686	0.620	0.582	0.619	0.653
550	0.872	0.807	0.722	0.870	0.770	0.729	0.788	0.805
500	1.157	1.058	0.955	1.112	0.971	0.915	0.919	0.998
450	1.523	1.424	1.263	1.467	1.240	1.162	1.197	1.272
400	2.171	1.948	1.745	1.945	1.625	1.505	1.552	1.676
350	3.157	2.796	2.425	2.615	2.116	1.950	2.021	2.249
300		3.966	3.253	3.592	2.749	2.564	2.653	2.892
HEIGHT	SCALE HEIGHT, KM							
	467.3	493.8	633.3	552.2	653.9	509.1	546.2	491.6
950	467.3	493.8	633.3	552.2	653.9	509.1	546.2	491.6
900	438.0	437.1	505.1	490.9	534.4	475.0	469.6	453.6
850	409.7	394.3	404.3	456.9	450.7	436.2	425.3	433.7
800	376.8	361.1	366.2	411.8	385.4	391.4	407.0	414.8
750	337.4	326.9	347.3	355.5	347.7	348.4	363.4	396.0
700	289.2	288.7	326.6	325.0	313.1	317.8	314.8	357.9
650	254.2	244.3	252.8	262.1	290.7	284.2	302.8	278.5
600	228.2	222.3	214.2	226.0	238.2	231.7	233.3	243.9
550	208.6	199.6	195.1	208.4	226.9	228.2	242.4	235.5
500	180.3	175.9	177.7	196.7	213.4	213.9	243.9	224.0
450	156.9	165.4	167.0	182.5	196.8	208.5	198.3	197.2
400	138.2	150.5	156.4	172.8	188.7	185.0	192.6	174.2
350	125.7	136.6	160.2	167.8	186.0	191.4	182.5	185.0
300		162.0	184.0	173.2	235.4	200.0	217.1	221.6
LONG	-66.13	-65.52	-64.81	-63.65	-60.62	-57.82	-54.04	-48.88
LAT	-47.83	-49.81	-51.76	-54.63	-60.38	-64.11	-67.80	-71.32
QUAL	33	21	32	22	33	32	21	21

Table III.—Continued

PASS 1064 AT FTMYS, 621216		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	45150	45226
1000	0.105	0.053
950	0.111	0.057
900	0.115	0.061
850	0.119	0.063
800	0.125	0.067
750	0.133	0.074
700	0.145	0.084
650	0.161	0.094
600	0.163	0.107
550	0.216	0.127
500	0.270	0.159
450	0.353	0.205
400	0.479	0.273
350	0.663	0.366
300	0.891	0.476
HEIGHT	SCALE HEIGHT, KM	
950		
900	1519.3	978.9
850	1215.5	904.3
800	941.6	715.1
750	739.6	531.8
700	585.9	405.4
650	455.2	373.6
600	369.6	341.9
550	279.5	284.2
500	208.2	216.2
450	180.2	190.5
400	153.9	176.6
350	162.1	177.5
300	220.3	220.5
LONG	-62.01	-61.67
LAT	32.33	34.34
QUAL	32	32

Table III. —Continued

PASS 1078 AT RESLUT, 621217								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	53914	53932	53950	54008	54026	54043	54119	54155
1000	0.038	0.037	0.026	0.018	0.024	0.047	0.031	0.066
950	0.041	0.043	0.030	0.023	0.030	0.050	0.033	0.071
900	0.044	0.049	0.034	0.025	0.033	0.054	0.036	0.077
850	0.050	0.057	0.039	0.026	0.036	0.060	0.039	0.084
800	0.055	0.067	0.045	0.028	0.041	0.067	0.045	0.092
750	0.060	0.080	0.053	0.034	0.047	0.077	0.054	0.101
700	0.066	0.092	0.066	0.042	0.056	0.089	0.068	0.113
650	0.075	0.105	0.084	0.054	0.070	0.106	0.090	0.128
600	0.084	0.119	0.109	0.072	0.092	0.131	0.124	0.151
550	0.093	0.132	0.148	0.100	0.125	0.168	0.175	0.185
500	0.110	0.156	0.207	0.147	0.179	0.235	0.259	0.232
450	0.137	0.202	0.303	0.211	0.253	0.339	0.372	0.295
400	0.177	0.279	0.423	0.295	0.355	0.474	0.510	0.395
350	0.251	0.420	0.573	0.401	0.503	0.633	0.680	0.539
300	0.390	0.602	0.760	0.534	0.693	0.815	0.882	0.722
HEIGHT	SCALE HEIGHT, KM							
	700.1	358.4	454.0			696.8	610.4	675.6
950								
900	581.2	339.6	405.1		502.9	552.7	579.4	601.5
850	497.4	327.6	367.8	853.9	442.6	453.9	448.6	570.6
800	491.8	327.8	330.6	468.6	377.7	406.7	330.2	519.3
750	486.2	335.8	271.8	237.1	318.0	356.8	260.0	469.8
700	465.8	366.5	225.3	220.7	262.4	308.3	199.1	422.8
650	441.1	398.3	197.5	194.4	207.3	265.1	163.8	374.9
600	423.9	435.9	178.3	166.4	181.4	225.3	148.9	276.3
550	407.3	391.0	159.6	142.1	144.7	175.8	140.2	240.8
500	262.7	255.7	140.3	135.0	145.6	142.8	132.1	215.0
450	212.5	175.1	140.3	142.9	148.2	143.6	148.6	197.0
400	168.5	140.5	156.5	156.7	142.0	161.0	166.3	160.6
350	131.0	125.3	170.9	168.8	151.9	185.3	184.7	165.4
300	106.0	141.5	183.4	174.9	166.9	202.6	204.6	176.7
LONG	-60.55	-59.58	-58.62	-57.51	-56.24	-55.03	-51.99	-48.50
LAT	65.33	66.26	67.20	68.12	69.03	69.88	71.65	73.37
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 1078 AT RESLUT, 621217				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	54248	54341	54453	54510
1000	0.086	0.107	0.074	0.142
950	0.099	0.117	0.080	0.154
900	0.115	0.130	0.081	0.168
850	0.134	0.147	0.083	0.185
800	0.156	0.170	0.086	0.209
750	0.180	0.194	0.090	0.240
700	0.211	0.224	0.099	0.276
650	0.249	0.263	0.112	0.320
600	0.297	0.315	0.130	0.380
550	0.361	0.387	0.154	0.459
500	0.452	0.484	0.188	0.562
450	0.601	0.618	0.238	0.693
400	0.823	0.792	0.313	0.868
350	1.067	1.022	0.431	1.096
300			0.629	
HEIGHT	SCALE HEIGHT, KM			
	54248	54341	54453	54510
950	330.8	525.3		604.4
900	326.1	455.3	3111.6	524.7
850	331.2	398.6	2408.8	456.0
800	330.9	361.9	1705.9	409.6
750	329.9	354.8	1003.1	370.4
700	308.5	327.1	587.5	342.6
650	287.2	292.9	376.9	313.2
600	269.5	262.8	318.0	279.9
550	240.6	236.2	275.6	260.9
500	200.5	217.6	235.4	248.9
450	177.6	210.7	194.7	236.4
400	163.1	203.6	172.0	222.7
350	240.7	197.2	148.7	207.6
300			125.3	
LONG	-41.50	-31.91	-13.94	-11.33
LAT	75.71	77.76	79.82	80.08
QUAL	33	33	33	33

Table III. —Continued

PASS 1098 AT RESLUT, 621218							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	165534	165628	165740	170020	170038	170057	170113
1000	0.136	0.067	0.047	0.103	0.090	0.255	0.069
950	0.146	0.073	0.056	0.117	0.103	0.279	0.079
900	0.153	0.080	0.061	0.130	0.112	0.311	0.086
850	0.168	0.089	0.071	0.146	0.132	0.353	0.096
800	0.166	0.102	0.088	0.171	0.161	0.399	0.110
750	0.203	0.121	0.111	0.202	0.194	0.449	0.130
700	0.228	0.152	0.135	0.235	0.223	0.520	0.154
650	0.264	0.191	0.161	0.271	0.259	0.616	0.181
600	0.314	0.238	0.190	0.320	0.309	0.741	0.211
550	0.376	0.301	0.222	0.362	0.370	0.895	0.249
500	0.458	0.380	0.292	0.452	0.441	1.103	0.299
450	0.620		0.392	0.535	0.523	1.343	0.365
400	0.902		0.512	0.637			0.465
350							0.611
300							0.837
HEIGHT	SCALE HEIGHT, KM						
	1035.6	652.4	586.7	447.4	522.9	505.5	522.7
950	798.9	464.4	443.5	425.2	410.8	443.7	474.6
900	590.8	402.3	329.4	381.8	370.6	410.2	409.9
850	505.9	339.3	283.4	339.4	330.9	349.1	361.9
800	470.0	292.8	245.4	316.6	313.6	369.5	340.3
750	406.0	274.8	245.7	317.2	315.2	331.4	318.7
700	324.7	256.7	246.0	317.9	311.4	288.6	310.0
650	278.4	238.7	246.2	304.2	301.2	272.5	303.2
600	237.8	225.6	246.5	289.2	291.0	257.9	286.5
550	201.5	214.6	220.3	292.1	288.6	247.8	262.1
500	169.7		185.6	308.7	286.8	351.8	235.6
450	157.1		194.5	352.7			203.7
400							174.8
350							147.1
300							
LUNG	178.59	-164.09	-141.38	-110.46	-108.48	-106.38	-105.01
LAT	79.71	80.36	79.56	73.76	72.92	72.04	71.26
QUAL	33	33	33	32	32	32	33

Table III.—Continued

PASS 1098 AT RESLUT, 621218								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	170151	170149	170225	170243	170337	170555	170429	170455
1000	0.042	0.037	0.043	0.183	0.316	0.416	0.318	0.169
950	0.051	0.048	0.060	0.214	0.347	0.455	0.356	0.204
900	0.057	0.057	0.074	0.251	0.374	0.499	0.394	0.245
850	0.078	0.066	0.086	0.293	0.405	0.551	0.436	0.289
800	0.095	0.076	0.100	0.339	0.450	0.610	0.496	0.332
750	0.108	0.089	0.116	0.390	0.501	0.673	0.545	0.378
700	0.118	0.104	0.136	0.454	0.556	0.748	0.623	0.436
650	0.136	0.121	0.160	0.538	0.625	0.799	0.715	0.503
600	0.169	0.145	0.188	0.654	0.720	0.860	0.834	0.595
550	0.209	0.174	0.224	0.803	0.841	0.957	0.985	0.715
500	0.255	0.216	0.269	0.987	0.989	1.108	1.188	0.868
450	0.308	0.269	0.323	1.214	1.178	1.349	1.473	1.052
400	0.384	0.334	0.411	1.495	1.455		1.863	1.306
350	0.492	0.411	0.530	1.802	1.876		2.370	1.647
300					2.340			
HEIGHT	SCALE HEIGHT, KM							
	170151	170149	170225	170243	170337	170555	170429	170455
950	458.7			336.0	651.1	552.6	495.0	
900	346.1	317.5		323.5	620.8	518.3	489.8	295.5
850	282.2	322.5	322.8	335.3	551.2	506.4	464.4	335.9
800	291.1	319.0	324.7	351.1	492.0	497.7	435.8	348.5
750	306.9	316.2	321.1	338.7	456.2	507.1	407.2	352.1
700	322.7	313.5	312.3	308.5	432.8	664.8	378.8	337.8
650	304.3	310.7	302.2	280.2	396.9	760.6	350.1	323.0
600	254.3	280.2	291.5	257.1	347.5	510.7	315.6	300.2
550	238.2	249.6	276.9	247.5	317.3	412.6	283.7	270.2
500	239.4	246.6	261.0	247.0	297.5	315.2	254.9	255.5
450	240.7	243.6	245.1	245.0	268.6	227.3	230.2	246.3
400	224.4	242.2	200.3	255.7	219.3		214.8	229.1
350	274.5	289.2	149.1	285.3	210.9		220.7	206.7
300					281.9			
LONG	-103.58	-102.14	-99.76	-98.69	-95.97	-95.15	-93.87	-92.93
LAT	70.37	69.47	67.64	66.72	63.89	62.93	61.12	59.73
QUAL	32	32	33	33	33	33	33	33

Table III.—Continued

PASS 1105 AT RESLUT, 621219								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	50701	50719	50755	50847	50906	51018	51110	51146
1000	0.018	0.016	0.033	0.016	0.018	0.019	0.017	0.041
950	0.021	0.017	0.036	0.020	0.019	0.020	0.021	0.044
900	0.023	0.019	0.037	0.023	0.020	0.021	0.022	0.048
850	0.025	0.022	0.040	0.025	0.020	0.023	0.025	0.052
800	0.028	0.026	0.044	0.028	0.023	0.026	0.029	0.058
750	0.032	0.032	0.049	0.033	0.025	0.030	0.034	0.068
700	0.039	0.040	0.056	0.039	0.029	0.036	0.043	0.080
650	0.048	0.053	0.068	0.046	0.034	0.044	0.054	0.095
600	0.063	0.071	0.083	0.057	0.042	0.057	0.072	0.117
550	0.085	0.096	0.103	0.072	0.058	0.076	0.098	0.149
500	0.115	0.127	0.129	0.092	0.081	0.104	0.133	0.190
450	0.155	0.164	0.168	0.122	0.112	0.140	0.180	0.243
400	0.214	0.226	0.217	0.167	0.151	0.186	0.238	0.307
350	0.301	0.319	0.282	0.221	0.203	0.243	0.309	
300	0.440	0.450	0.361	0.278	0.262	0.305	0.396	
HEIGHT	SCALE HEIGHT, KM							
900	629.8	411.6	913.3	616.7	1894.7	880.7	637.9	595.7
850	466.2	348.1	679.3	574.1	917.0	504.2	330.1	494.0
800	394.4	291.9	545.0	404.4	520.8	392.0	303.4	403.9
750	329.8	246.2	399.4	304.8	412.3	327.1	275.0	351.8
700	270.7	201.7	311.0	302.5	359.8	285.8	239.7	306.6
650	212.3	178.2	264.9	258.3	288.2	213.5	197.7	281.6
600	177.9	174.4	238.4	222.2	184.0	183.3	168.8	217.8
550	164.6	173.3	223.7	213.1	148.9	165.3	162.4	206.5
500	165.7	174.4	211.4	193.1	152.8	163.6	165.8	204.4
450	164.1	175.6	202.7	173.1	160.8	175.4	174.8	210.0
400	155.7	158.2	198.5	178.1	169.6	185.8	184.5	226.3
350	140.9	147.6	203.6	204.7	190.7	204.4	196.5	
300	127.9	155.3	197.2	263.5	244.4	230.9	241.0	
LONG	-60.41	-59.70	-58.29	-55.71	-54.65	-49.43	-44.38	-39.84
LAT	60.77	61.73	63.64	66.37	67.35	70.97	73.46	75.07
QUAL	23	33	33	32	32	32	32	32

Table III. —Continued

PASS 1105 AT RESLUT, 621219						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	51221	51257	51333	51408	51444	51457
1000	0.044	0.054	0.094	0.053	0.047	0.112
950	0.048	0.065	0.104	0.063	0.054	0.129
900	0.052	0.077	0.112	0.076	0.061	0.142
850	0.058	0.092	0.124	0.092	0.074	0.159
800	0.065	0.110	0.143	0.111	0.094	0.180
750	0.075	0.132	0.169	0.138	0.118	0.207
700	0.068	0.161	0.203	0.171	0.153	0.239
650	0.106	0.195	0.247	0.214	0.193	0.276
600	0.131	0.240	0.304	0.272	0.240	0.319
550	0.166	0.300	0.369	0.354	0.288	0.368
500	0.214	0.360		0.436	0.333	0.428
450	0.274			0.511	0.398	0.501
400	0.344				0.529	0.582
350	0.426					
300	0.520					
HEIGHT	SCALE HEIGHT, KM					
	782.8	297.0	707.9	273.7	421.3	450.4
950	782.8	297.0	707.9	273.7	421.3	450.4
900	531.6	288.6	589.6	271.9	316.0	447.5
850	426.3	283.8	404.2	264.6	250.3	415.6
800	384.1	273.0	327.0	247.3	218.6	386.8
750	340.5	265.3	291.2	236.2	209.2	359.7
700	295.6	258.5	270.5	229.7	203.7	351.2
650	256.0	250.5	256.2	214.1	222.9	357.7
600	228.0	235.1	250.3	201.0	249.9	355.6
550	210.8	252.5	309.2	218.6	311.3	339.3
500	198.9	373.8		281.4	318.4	323.9
450	212.2			364.2	221.8	324.5
400	227.3				145.6	387.0
350	242.9					
300	256.9					
LONG	-34.29	-27.82	-18.93	-11.44	-8.46	-7.38
LAT	76.52	77.91	78.97	79.84	80.30	80.46
QUAL	32	32	32	32	33	32

Table III.—Continued

PASS 1125 AT RESLUT, 621220							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	163142	163200	163218	163236	163255	163313	163348
1000	0.216	0.208	0.191	0.209	0.365	0.429	0.313
950	0.251	0.229	0.209	0.234	0.385	0.463	0.331
900	0.289	0.261	0.231	0.258	0.405	0.485	0.345
850	0.331	0.300	0.259	0.288	0.431	0.503	0.355
800	0.363	0.345	0.307	0.325	0.461	0.528	0.367
750	0.448	0.399	0.370	0.370	0.493	0.559	0.383
700	0.533	0.480	0.449	0.427	0.528	0.594	0.410
650	0.640	0.578	0.538	0.495	0.568	0.634	0.448
600	0.793	0.709	0.641	0.574	0.623	0.698	0.502
550	0.985	0.872	0.772	0.717	0.696	0.782	0.583
500	1.245	1.107	0.975	0.897	0.802	0.916	0.700
450	1.524	1.423	1.230	1.132	0.938	1.122	0.874
400	1.799	1.725	1.543	1.419	1.073		1.092
350	2.032		1.929				1.326
300							
HEIGHT	SCALE HEIGHT, KM						
	343.0	461.2	524.5	480.0	1030.5		
950							
900	353.1	366.8	448.1	467.9	881.0	1198.6	1511.5
850	354.3	351.3	367.0	427.6	802.7	1147.4	1521.0
800	325.6	335.8	333.3	397.3	750.2	978.4	1263.2
750	300.9	319.8	299.5	367.2	740.5	841.1	968.8
700	280.6	291.1	276.3	341.4	730.7	745.3	755.8
650	260.7	262.4	270.9	315.5	573.3	649.5	574.0
600	243.2	244.2	265.5	289.6	502.1	523.5	423.6
550	229.8	228.5	250.5	256.6	430.9	394.6	336.5
500	238.0	220.8	213.6	223.5	366.4	280.8	259.0
450	276.6	232.8	219.2	225.5	357.3	223.0	229.1
400	316.8	288.1	225.7	225.8	528.3		243.6
350	1000.7		240.6				281.0
300							
LONG	-95.70	-94.56	-93.66	-92.75	-91.80	-91.08	-89.81
LAT	67.44	66.52	65.57	64.62	63.62	62.66	60.79
QUAL	31	32	33	33	21	23	33

Table III. —Continued

PASS 1125 AT RESLUT, 621220		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	163406	163423
1000	0.364	0.148
950	0.391	0.163
900	0.407	0.180
850	0.422	0.203
800	0.441	0.232
750	0.470	0.267
700	0.508	0.307
650	0.554	0.353
600	0.664	0.404
550	0.816	0.474
500	1.011	0.581
450	1.357	0.713
400	1.814	1.151
350	2.346	1.762
300	2.970	
HEIGHT	SCALE HEIGHT, KM	
	163406	163423
950		524.1
900	1325.7	461.8
850	1169.0	406.8
800	904.0	354.8
750	765.7	344.6
700	627.3	338.2
650	488.9	331.9
600	348.8	325.5
550	238.4	299.8
500	202.4	246.7
450	180.7	190.3
400	184.2	107.6
350	203.6	150.3
300	224.5	
LONG	-89.19	-88.67
LAT	59.82	58.90
QUAL	33	23

Table III. —Continued

PASS 1125 AT OTTAWA, 621220								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	163931	164007	164043	164118	164154	164239	164322	164416
1000	0.142	0.131	0.104	0.110	0.119	0.170	0.154	0.166
950	0.159	0.146	0.127	0.135	0.139	0.195	0.171	0.184
900	0.176	0.164	0.150	0.158	0.158	0.220	0.191	0.200
850	0.202	0.188	0.173	0.184	0.182	0.249	0.216	0.220
800	0.235	0.213	0.199	0.214	0.211	0.283	0.244	0.249
750	0.270	0.246	0.231	0.250	0.247	0.327	0.281	0.286
700	0.316	0.287	0.274	0.297	0.291	0.381	0.330	0.331
650	0.378	0.344	0.330	0.356	0.351	0.451	0.390	0.394
600	0.467	0.422	0.407	0.446	0.437	0.547	0.477	0.485
550	0.591	0.534	0.521	0.572	0.561	0.684	0.606	0.614
500	0.758	0.692	0.687	0.748	0.736	0.883	0.782	0.794
450	0.993	0.913	0.918	1.014	0.984	1.161	1.059	1.046
400	1.336	1.240	1.242	1.430	1.376	1.558	1.487	1.425
350	1.904	1.776	1.771	2.103	2.010	2.338	2.174	2.004
300	2.933	3.060	2.773	3.198	3.100	3.320	3.262	2.860
HEIGHT	SCALE HEIGHT, KM							
	554.7	473.0			387.9	417.6	539.7	622.1
950								
900	436.2	406.7	323.9	323.6	365.9	403.9	430.3	557.1
850	384.7	381.4	348.9	327.0	345.1	386.8	401.9	471.0
800	347.4	361.8	337.9	315.5	329.9	363.6	373.3	374.4
750	330.4	335.2	310.4	302.3	309.1	341.8	332.7	347.4
700	301.1	306.3	286.1	278.6	283.5	318.8	307.2	320.3
650	266.7	267.6	262.8	254.7	249.8	279.7	282.5	274.6
600	223.8	229.3	224.0	218.5	215.9	240.8	226.9	227.4
550	208.3	200.8	194.0	194.3	194.4	211.5	203.1	204.0
500	195.8	189.7	180.6	180.3	183.8	196.6	185.4	191.7
450	178.2	175.2	172.0	161.8	166.9	179.2	163.6	170.2
400	158.7	154.9	156.2	140.2	142.0	158.2	141.0	156.9
350	130.5	126.4	128.0	124.8	124.2	133.5	129.8	147.1
300	102.8	102.0	97.2	117.3	122.2	131.1	133.7	124.3
LONG	-82.47	-82.02	-81.61	-81.24	-80.88	-80.48	-80.11	-79.69
LAT	41.42	39.91	37.89	35.93	33.92	31.38	28.96	25.93
QUAL	33	33	23	23	22	23	33	33

Table III.—Continued

PASS 1125 AT SOLANT, 621220								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	170105	170140	170309	170345	170421	170532	170608	170643
1000	0.369	0.360	0.322	0.339	0.352	0.311	0.319	0.297
950	0.400	0.392	0.355	0.368	0.363	0.343	0.349	0.327
900	0.439	0.430	0.391	0.402	0.419	0.376	0.385	0.362
850	0.488	0.478	0.434	0.444	0.464	0.419	0.428	0.405
800	0.553	0.540	0.486	0.502	0.521	0.477	0.482	0.461
750	0.634	0.625	0.546	0.577	0.591	0.548	0.552	0.532
700	0.747	0.743	0.644	0.673	0.697	0.634	0.642	0.619
650	0.909	0.916	0.773	0.822	0.856	0.800	0.775	0.740
600	1.139	1.155	0.934	1.030	1.054	0.967	0.961	0.907
550	1.530	1.548	1.224	1.314	1.319	1.199	1.183	1.131
500	2.205	2.157	1.668	1.747	1.714	1.533	1.507	1.428
450	3.390	3.144	2.306	2.318	2.238	1.973	1.917	1.822
400	5.095	4.567	3.227	3.062	2.909	2.540	2.436	2.303
350	6.877	6.233	4.409	3.922	3.689	3.192	3.019	2.877
300								
HEIGHT	SCALE HEIGHT, KM							
	568.1	563.0	527.6	585.3	589.4	527.6	529.0	506.9
950	568.1	563.0	527.6	585.3	589.4	527.6	529.0	506.9
900	497.1	509.2	478.0	520.3	512.7	487.7	493.1	462.1
850	437.0	430.3	443.9	454.1	458.7	427.4	435.3	410.8
800	401.0	385.5	415.9	400.5	424.4	376.9	391.6	378.0
750	340.5	326.0	387.9	365.2	364.8	360.7	364.3	350.4
700	266.0	257.4	271.9	287.2	280.2	283.0	307.6	302.0
650	243.5	224.7	248.5	249.9	254.2	245.9	253.2	262.0
600	202.4	200.0	230.3	221.1	235.3	247.3	237.7	248.4
550	151.5	168.0	176.7	194.9	208.2	216.2	224.7	230.0
500	126.3	142.2	158.1	177.1	187.7	205.0	210.0	212.2
450	115.1	132.4	152.7	179.6	188.9	196.9	210.0	209.7
400	132.9	138.8	150.6	184.4	193.3	203.4	214.2	218.4
350	252.1	200.8	195.5	264.6	280.3	270.3	307.9	256.9
300								
LONG	-73.50	-73.19	-72.31	-71.91	-71.47	-70.49	-69.93	-69.32
LAT	-30.94	-32.89	-37.84	-39.83	-41.82	-45.72	-47.70	-49.61
QUAL	21	32	32	22	32	22	21	22

Table III.—Continued

PASS 1125 AT SULANT, 621220			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	170915	171008	171045
1000	0.276	0.279	0.261
950	0.300	0.308	0.291
900	0.332	0.340	0.326
850	0.370	0.379	0.367
800	0.419	0.429	0.416
750	0.492	0.493	0.480
700	0.578	0.569	0.563
650	0.684	0.672	0.670
600	0.819	0.812	0.810
550	1.006	1.013	1.004
500	1.208	1.277	1.266
450	1.622	1.630	1.618
400	2.095	2.107	2.095
350	2.739	2.710	
300	3.474	3.266	
HEIGHT	SCALE HEIGHT, KM		
	554.8	500.9	445.4
950	554.8	500.9	445.4
900	473.2	477.0	429.6
850	414.8	430.3	405.0
800	371.1	389.7	372.9
750	345.5	366.5	342.3
700	297.5	315.3	304.5
650	282.7	285.5	269.1
600	266.7	253.0	253.8
550	237.9	222.8	229.6
500	210.6	215.2	212.4
450	201.0	201.2	199.0
400	191.5	191.9	190.9
350	191.1	213.9	
300	332.9	530.7	
LONG	-65.66	-64.20	-62.82
LAT	-57.65	-60.66	-62.61
QUAL	32	31	23

Table III. —Continued

PASS 1131 AT AGASTA, 621221								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	40703	40720	40755	40813	40911	40930	41012	41048
1000	0.191	0.193	0.204	0.194	0.170	0.170	0.179	0.159
950	0.209	0.210	0.217	0.208	0.190	0.187	0.194	0.174
900	0.229	0.234	0.240	0.237	0.216	0.211	0.221	0.197
850	0.263	0.273	0.268	0.265	0.251	0.247	0.255	0.234
800	0.316	0.323	0.319	0.306	0.302	0.306	0.314	0.283
750	0.401	0.393	0.396	0.404	0.389	0.396	0.404	0.344
700	0.518	0.495	0.524	0.541	0.519	0.522	0.526	0.430
650	0.685	0.669	0.734	0.827	0.720	0.704	0.693	0.581
600	0.924	0.958	1.058	1.220	1.018	1.006	0.900	0.786
550	1.395	1.459	1.617	1.704	1.461	1.458	1.278	1.071
500	2.207	2.191	2.449	2.596		2.045	1.793	1.438
450	3.392	3.241	3.673	3.781		2.774	2.372	1.848
400		4.699	4.908					
350								
300								
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	569.1	548.8	673.4	699.2	418.1	461.8	512.4	472.2
900	442.7	403.3	467.6	464.8	359.6	370.1	353.1	361.7
850	320.0	343.1	378.8	261.8	305.5	293.8	302.1	284.0
800	233.0	280.5	235.1	250.1	220.4	206.3	206.1	258.7
750	210.6	242.5	202.1	181.2	193.8	189.5	198.5	235.5
700	186.1	209.3	169.9	146.1	166.7	177.9	190.6	211.5
650	166.3	145.2	140.6	138.0	148.7	153.0	180.5	185.4
600	150.9	129.2	129.0	135.5	145.5	139.2	170.3	168.5
550	125.8	124.6	120.5	135.7	143.8	143.4	157.3	171.1
500	114.5	126.5	123.0	126.1		155.1	164.3	185.3
450	143.1	131.4	135.7	158.6		208.5	234.7	255.6
400		157.2	306.6					
350								
300								
LONG	-73.89	-73.72	-73.37	-73.21	-72.70	-72.55	-72.22	-71.97
LAT	-36.98	-36.04	-34.11	-33.11	-29.88	-28.82	-26.48	-24.48
QUAL	23	23	22	22	23	23	23	22

Table III.—Continued

PASS 1131 AT AGASTA, 621221		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	41123	41159
1000	0.144	0.126
950	0.162	0.138
900	0.183	0.152
850	0.212	0.174
800	0.255	0.211
750	0.310	0.258
700	0.400	0.317
650	0.528	0.425
600	0.712	0.585
550	0.954	0.809
500	1.298	1.115
450	1.711	1.626
400		
350		
300		
HEIGHT	SCALE HEIGHT, KM	
	424.0	590.5
950	424.0	590.5
900	378.1	442.3
850	293.7	336.9
800	266.1	249.7
750	238.5	230.2
700	197.7	210.7
650	178.1	184.9
600	177.0	157.9
550	171.1	152.6
500	173.3	147.9
450	239.9	170.9
400		
350		
300		
LONG	-71.72	-71.48
LAT	-22.52	-20.51
QUAL	32	33

Table III.—Continued

PASS 1131 AT SULANT, 621221								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	40030	40106	40310	40422	40515	40551	40626	40702
1000	0.290	0.289	0.315	0.298	0.295	0.282	0.279	0.283
950	0.334	0.332	0.339	0.322	0.314	0.303	0.300	0.306
900	0.386	0.383	0.368	0.353	0.340	0.331	0.331	0.332
850	0.451	0.452	0.414	0.399	0.377	0.372	0.374	0.375
800	0.537	0.538	0.485	0.460	0.441	0.438	0.439	0.446
750	0.646	0.654	0.579	0.539	0.532	0.538	0.537	0.546
700	0.795	0.809	0.717	0.691	0.670	0.679	0.722	0.689
650	1.033	1.057	0.928	0.906	0.886	0.924	1.045	0.895
600	1.372	1.402	1.246	1.246	1.220	1.289	1.358	1.232
550	1.865		1.787	1.820	1.758	1.842	1.899	1.783
500	2.629		2.616	2.656	2.616		2.684	2.686
450			3.789	3.798	3.844		3.745	3.946
400			5.121					
350								
300								
HEIGHT	SCALE HEIGHT, KM							
	350.1	352.9	597.2	598.9	721.4	611.1	603.3	671.9
950	350.1	352.9	597.2	598.9	721.4	611.1	603.3	671.9
900	329.9	324.8	504.8	461.6	532.9	500.7	471.6	519.5
850	304.5	301.9	418.8	382.3	394.6	379.1	360.4	370.8
800	289.4	265.0	337.1	339.2	324.6	281.1	281.4	274.6
750	248.6	239.1	262.7	286.5	255.7	246.9	248.3	236.7
700	216.5	216.8	204.7	175.7	195.6	193.3	158.3	198.3
650	193.7	190.3	185.2	170.2	173.8	158.1	169.6	175.7
600	173.9	176.5	160.6	146.4	151.3	148.0	164.3	150.0
550	151.6		133.0	130.4	132.0	138.7	148.8	131.5
500	148.2		134.0	136.1	126.2		145.9	122.5
450			143.2	153.3	143.4		160.3	150.9
400			215.0					
350								
300								
LONG	-80.83	-79.79	-77.09	-75.91	-75.16	-74.70	-74.29	-73.90
LAT	-58.42	-56.50	-49.78	-45.84	-42.93	-40.95	-39.03	-37.04
QUAL	32	33	32	32	33	23	33	33

Table III. —Continued

PASS 1131 AT SOLANT, 621221	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	40727
1000	0.253
950	0.272
900	0.298
850	0.338
800	0.391
750	0.469
700	0.605
650	0.807
600	1.133
550	1.631
500	2.369
450	
400	
350	
300	
HEIGHT	SCALE HEIGHT, KM
950	606.7
900	490.2
850	401.8
800	320.5
750	235.0
700	184.6
650	160.0
600	144.1
550	136.0
500	123.4
450	
400	
350	
300	
LONG	-73.65
LAT	-35.66
QUAL	33

Table III. —Continued

PASS 1132 AT RESLUT, 621221							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	44107	44253	44329	44347	44405	44422	44516
1000	0.041	0.030	0.032	0.055	0.089	0.106	0.111
950	0.046	0.034	0.036	0.059	0.095	0.113	0.121
900	0.053	0.038	0.040	0.066	0.098	0.120	0.127
850	0.063	0.043	0.046	0.074	0.102	0.129	0.142
800	0.075	0.049	0.054	0.082	0.112	0.138	0.162
750	0.087	0.056	0.062	0.093	0.128	0.148	0.178
700	0.104	0.063	0.071	0.106	0.141	0.159	0.197
650	0.129	0.073	0.085	0.124	0.153	0.176	0.221
600	0.167	0.088	0.106	0.147	0.180	0.203	0.251
550	0.224	0.110	0.135	0.180	0.221	0.244	0.291
500	0.292	0.143	0.178	0.225	0.276		0.346
450	0.367	0.195	0.236	0.288	0.347		0.423
400	0.465	0.267	0.314	0.374	0.430		0.532
350	0.576	0.356		0.470			0.687
300		0.448					
HEIGHT	SCALE HEIGHT, KM						
	394.2	431.6	410.2	553.2	1426.6	974.8	973.7
950	394.2	431.6	410.2	553.2	1426.6	974.8	973.7
900	321.4	417.1	384.2	467.2	1344.3	813.4	683.8
850	308.0	398.7	361.3	439.4	1007.3	724.7	513.0
800	301.4	398.7	351.1	423.0	658.5	707.8	458.9
750	299.8	394.6	338.0	387.8	440.0	711.8	482.5
700	259.6	369.6	316.1	351.1	430.7	590.2	452.8
650	220.6	301.7	257.8	314.4	421.4	430.9	404.9
600	181.9	251.7	224.2	277.7	286.2	305.8	367.4
550	181.6	212.1	199.7	245.7	230.3	254.3	320.1
500	197.6	181.1	185.2	217.1	224.5		272.2
450	213.2	159.1	180.3	198.5	227.3		232.4
400	229.2	160.4	186.0	205.4	255.3		213.8
350	257.9	192.5		250.6			171.5
300		277.5					
LONG	-34.46	-13.64	-3.02	2.55	8.25	13.97	31.42
LAT	75.42	79.22	79.92	80.22	80.42	80.37	79.93
QUAL	33	21	33	32	32	23	33

Table III.—Continued

PASS 1145 AT AGASTA, 621222							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	44519	44554	44648	44723	44759	44834	44910
1000	0.175	0.183	0.179	0.160	0.142	0.158	0.147
950	0.189	0.197	0.196	0.175	0.160	0.182	0.165
900	0.210	0.221	0.220	0.199	0.185	0.214	0.193
850	0.241	0.254	0.253	0.243	0.237	0.253	0.237
800	0.266	0.312	0.322	0.318	0.327	0.304	0.294
750	0.363	0.407	0.453	0.433	0.426	0.392	0.374
700	0.464	0.540	0.663	0.571	0.529	0.511	0.479
650	0.675	0.712	0.934	0.740	0.708	0.657	0.614
600	0.957	1.011	1.266	0.991	0.985	0.831	0.859
550	1.451	1.534	1.716	1.311	1.320	1.158	1.298
500	2.213	2.295	2.359	1.726	1.718	1.653	2.115
450	3.346	3.605	3.169	2.291	2.169	2.343	
400	4.503						
350							
300							
HEIGHT	SCALE HEIGHT, KM						
	550.2	553.2	484.9	457.2	349.6	326.6	373.1
950	550.2	553.2	484.9	457.2	349.6	326.6	373.1
900	429.7	399.3	434.8	321.7	278.0	306.3	287.7
850	347.8	304.4	269.1	231.0	234.8	267.4	238.3
800	237.1	209.7	171.0	173.7	206.5	235.8	218.9
750	188.6	189.5	140.9	169.0	194.6	212.4	209.8
700	165.6	174.7	148.2	176.0	192.2	193.5	195.8
650	152.6	162.3	156.5	181.9	183.0	187.4	177.7
600	139.3	143.1	162.1	182.9	171.2	181.3	143.3
550	124.8	122.8	162.3	182.0	182.0	161.6	114.8
500	119.0	115.5	164.0	177.1	203.5	145.1	82.0
450	142.0	177.3	176.5	172.2	275.7	153.4	
400	219.7						
350							
300							
LONG	-84.73	-84.40	-83.95	-83.68	-83.41	-83.16	-82.92
LAT	-34.03	-32.08	-29.09	-27.14	-25.13	-23.17	-21.16
QUAL	23	33	33	33	33	33	33

Table III. — Continued

PASS 1179 AT RESLUT, 621224								
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)								
HEIGHT	TIME (UT)							
	152414	152432	152450	152525	152543	152730	152748	153046
1000	0.038	0.039	0.037	0.139	0.034	0.036	0.054	0.071
950	0.043	0.043	0.040	0.143	0.037	0.040	0.060	0.077
900	0.048	0.048	0.045	0.149	0.042	0.047	0.068	0.086
850	0.056	0.055	0.053	0.161	0.049	0.056	0.079	0.100
800	0.069	0.067	0.064	0.173	0.058	0.067	0.094	0.118
750	0.084	0.082	0.081	0.192	0.072	0.085	0.117	0.136
700	0.103	0.107	0.108	0.225	0.106	0.111	0.151	0.156
650	0.134	0.144	0.145	0.279	0.146	0.150	0.202	0.181
600	0.162	0.194	0.205	0.371	0.183	0.208	0.278	0.211
550	0.261	0.274	0.303	0.558	0.274	0.308	0.402	0.249
500	0.363	0.402	0.458	0.779	0.400	0.471	0.605	0.307
450	0.563	0.577	0.694	1.114	0.591	0.677	0.898	0.397
400	0.829	0.823	1.060	1.560	0.875	0.983	1.292	0.537
350	1.241	1.178	1.579	2.099	1.303	1.433	1.753	0.780
300	1.819							1.266
HEIGHT	SCALE HEIGHT, KM							
	438.2	634.3	509.1		596.5	400.3	435.3	506.0
950								
900	375.6	464.1	375.8	993.9	405.0	313.7	371.0	392.8
850	314.0	330.7	299.9	700.4	302.8	279.9	341.1	358.7
800	262.7	251.8	253.7	583.7	264.7	238.1	256.0	339.2
750	241.0	219.5	187.2	410.0	157.8	205.0	222.2	345.5
700	219.6	195.0	170.0	280.9	159.6	185.5	192.3	345.5
650	182.3	172.6	158.5	210.6	164.6	163.7	167.1	334.3
600	152.9	157.4	138.1	140.0	166.9	142.3	149.7	310.4
550	139.0	143.7	127.5	135.6	142.5	124.7	129.2	267.0
500	132.4	136.5	119.5	145.0	128.4	127.8	125.9	223.9
450	129.8	139.8	121.0	144.5	130.7	138.2	132.0	186.8
400	128.6	139.8	121.3	158.9	125.9	131.1	150.4	153.5
350	127.0	140.1	159.0	184.5	126.8	143.6	176.0	121.3
300	150.1							107.4
LONG	-150.36	-144.40	-138.44	-128.32	-123.41	-102.79	-100.31	-85.96
LAT	80.39	80.25	80.12	79.41	78.96	75.03	74.25	65.45
QUAL	33	33	33	33	33	33	33	33

Table III. —Continued

PASS 1179 AT RESLUT, 621224				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	153104	153122	153157	153215
1000	0.077	0.068	0.060	0.060
950	0.083	0.074	0.068	0.070
900	0.090	0.082	0.079	0.083
850	0.099	0.091	0.091	0.099
800	0.112	0.102	0.106	0.118
750	0.129	0.117	0.124	0.142
700	0.149	0.137	0.147	0.170
650	0.170	0.163	0.178	0.206
600	0.202	0.195	0.222	0.253
550	0.249	0.239	0.290	0.312
500	0.310	0.296	0.385	0.401
450	0.426	0.386	0.530	0.552
400	0.561	0.535	0.737	0.777
350	0.869	0.819	1.108	1.156
300	1.385	1.342	1.741	1.796
HEIGHT	SCALE HEIGHT, KM			
950	685.2	530.5	349.0	305.1
900	564.9	499.6	345.3	292.6
850	470.9	439.0	335.4	278.1
800	420.4	390.3	323.9	274.0
750	389.0	351.1	305.6	273.8
700	353.6	326.8	276.9	269.4
650	313.8	302.6	242.8	255.4
600	276.9	277.4	208.2	239.6
550	241.2	249.2	188.0	219.9
500	205.9	213.4	170.0	174.2
450	176.7	170.7	157.5	160.1
400	147.5	138.4	142.2	140.8
350	118.7	109.5	119.2	121.2
300	113.6	101.2	116.3	115.8
LONG	-85.03	-84.28	-82.81	-82.18
LAT	64.51	63.55	61.69	60.72
QUAL	33	33	23	23

Table III. —Continued

PASS 1179 AT OTTAWA, 621224								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	153732	153844	153919	153955	154030	154124	154159	154235
1000	0.083	0.092	0.094	0.102	0.107	0.102	0.111	0.120
950	0.097	0.103	0.105	0.113	0.117	0.112	0.123	0.130
900	0.113	0.116	0.121	0.127	0.131	0.124	0.134	0.140
850	0.131	0.135	0.141	0.145	0.147	0.139	0.150	0.153
800	0.154	0.158	0.165	0.169	0.169	0.155	0.166	0.168
750	0.162	0.184	0.191	0.195	0.195	0.176	0.187	0.184
700	0.216	0.217	0.225	0.229	0.224	0.205	0.214	0.202
650	0.259	0.263	0.269	0.275	0.266	0.242	0.251	0.240
600	0.319	0.330	0.334	0.335	0.320	0.295	0.299	0.290
550	0.407	0.415	0.418	0.421	0.394	0.360	0.367	0.355
500	0.534	0.544	0.547	0.537	0.491	0.460	0.467	0.463
450	0.728	0.735	0.732	0.721	0.645	0.601	0.609	0.618
400	1.029	1.036	1.016	0.983	0.867	0.811	0.805	0.843
350	1.525	1.516	1.493	1.393	1.195	1.109	1.111	1.186
300	2.473	2.428		2.153	1.715	1.653	1.633	
HEIGHT	SCALE HEIGHT, KM							
	341.2	429.1	393.0	459.1	491.3	534.6	675.5	777.5
950	341.2	429.1	393.0	459.1	491.3	534.6	675.5	777.5
900	333.7	371.3	353.6	403.9	443.3	474.4	530.6	621.8
850	319.6	334.2	333.2	360.9	401.5	432.1	466.3	544.9
800	302.1	316.9	321.2	333.3	370.6	400.2	436.6	503.9
750	294.1	307.0	313.4	316.6	343.8	364.3	398.4	464.4
700	286.2	279.3	288.4	294.4	319.2	320.6	349.2	422.7
650	258.2	237.9	254.1	268.9	291.5	282.0	305.7	321.2
600	220.9	222.0	231.1	243.2	263.2	258.3	267.6	253.7
550	198.7	206.0	209.5	216.9	236.2	234.6	235.1	221.2
500	178.3	185.2	188.9	192.9	209.8	207.0	207.4	182.8
450	160.4	160.3	168.6	175.0	184.0	178.4	187.3	170.6
400	140.3	142.9	143.4	154.3	164.6	165.9	172.9	156.4
350	117.8	120.9	121.4	131.8	149.4	147.4	149.8	136.6
300	93.5	96.8		126.9	126.8	118.1	112.3	
LONG	-75.19	-74.28	-73.89	-73.52	-73.19	-72.71	-72.41	-72.13
LAT	43.30	39.28	37.33	35.31	33.34	30.31	28.35	26.32
QUAL	23	23	23	29	33	33	23	33

Table III. —Continued

PASS 1179 AT SOLANT, 621224								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	155813	155852	155928	160001	160039	160115	160150	160220
1000	0.390	0.385	0.357	0.349	0.307	0.295	0.297	0.273
950	0.434	0.436	0.401	0.388	0.341	0.331	0.321	0.300
900	0.490	0.494	0.452	0.437	0.360	0.371	0.356	0.335
850	0.503	0.564	0.521	0.503	0.432	0.422	0.404	0.378
800	0.604	0.557	0.612	0.590	0.499	0.492	0.462	0.436
750	0.834	0.775	0.727	0.708	0.599	0.580	0.541	0.511
700	1.001	0.933	0.882	0.871	0.747	0.698	0.650	0.610
650	1.347	1.155	1.113	1.096	0.950	0.881	0.818	0.759
600	1.845	1.658	1.487	1.458	1.293	1.166	1.071	0.970
550	2.757	2.498	2.114	2.040	1.852	1.637	1.450	1.306
500	4.409	4.079	3.240	3.047	2.864	2.486	2.136	1.942
450		6.718	5.166	4.853	4.667	4.019	3.462	3.042
400		10.195	8.215	7.781	7.688	6.546	5.785	4.988
350			11.667	11.161	11.090	9.976	8.682	7.765
300								10.244
HEIGHT	SCALE HEIGHT, KM							
	433.1	399.7	417.2	440.3	464.4	440.8	554.5	479.7
950	433.1	399.7	417.2	440.3	464.4	440.8	554.5	479.7
900	385.8	381.7	381.0	387.2	410.5	408.7	454.2	430.4
850	320.2	355.3	337.5	335.7	365.7	359.2	388.7	382.9
800	259.7	298.2	310.7	299.3	319.6	315.8	344.8	340.3
750	240.6	272.5	264.0	253.2	255.7	300.0	295.4	309.5
700	221.4	249.2	235.0	224.9	219.0	230.9	254.7	237.2
650	202.3	204.6	202.6	204.9	191.9	203.4	198.9	218.2
600	154.6	131.4	104.9	166.9	157.3	172.5	182.6	197.1
550	112.7	110.2	130.9	138.0	131.5	137.3	152.1	149.8
500	99.9	101.4	111.7	119.9	106.1	111.6	116.1	121.0
450		109.1	103.5	103.3	99.6	104.3	101.2	102.9
400		139.9	119.3	119.2	115.3	104.9	101.9	105.9
350			174.5	159.4	161.6	164.3	137.0	133.8
300								433.0
LONG	-66.53	-66.22	-65.92	-65.64	-65.28	-64.92	-64.55	-64.13
LAT	-26.54	-28.72	-30.73	-32.57	-34.67	-36.67	-38.61	-40.60
QUAL	33	32	32	33	32	32	22	32

Table III.—Continued

PASS 1179 AT SOLANT, 621224								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	160302	160337	160413	160504	160539	160615	160651	160726
1000	0.267	0.261	0.265	0.240	0.241	0.233	0.215	0.214
950	0.289	0.283	0.287	0.258	0.261	0.252	0.235	0.233
900	0.320	0.311	0.316	0.286	0.289	0.275	0.259	0.254
850	0.362	0.347	0.351	0.322	0.322	0.306	0.287	0.283
800	0.413	0.391	0.395	0.357	0.362	0.348	0.327	0.319
750	0.482	0.452	0.449	0.408	0.412	0.397	0.378	0.362
700	0.576	0.534	0.523	0.474	0.481	0.460	0.443	0.418
650	0.717	0.646	0.632	0.558	0.569	0.552	0.524	0.495
600	0.932	0.849	0.799	0.679	0.803	0.672	0.655	0.611
550	1.254	1.145	1.043	0.881	1.127	0.950	0.987	0.777
500	1.812	1.577	1.410	1.164	1.309	1.098	1.092	1.004
450	2.715	2.361	2.037	1.572	1.713	1.450	1.431	1.324
400	4.239	3.718	3.142	2.301	2.306	1.967	1.931	1.785
350	6.700	5.973	4.899	3.474	3.234	2.724	2.699	2.508
300	9.239	8.522	7.396	5.272	4.527	3.734	3.809	3.608
HEIGHT	SCALE HEIGHT, KM							
	553.1	554.0	561.0	609.5	562.9	586.2	539.4	567.8
950	553.1	554.0	561.0	609.5	562.9	586.2	539.4	567.8
900	460.0	500.4	493.2	493.3	489.5	514.6	481.8	508.8
850	392.5	442.2	446.0	437.4	449.8	444.3	419.1	458.2
800	352.2	373.5	409.2	418.5	411.1	384.4	381.1	410.5
750	308.2	333.6	364.4	365.9	348.3	350.4	344.8	372.4
700	257.1	289.7	299.7	321.9	320.4	316.3	313.1	326.1
650	210.4	223.3	242.4	291.1	296.0	282.1	284.2	271.2
600	189.6	178.5	197.8	208.0	188.8	226.4	191.7	223.3
550	151.2	165.4	160.1	189.1	208.0	207.8	198.5	200.5
500	132.4	141.4	156.0	174.2	230.6	194.9	208.2	189.2
450	119.4	115.0	127.5	151.3	186.0	176.4	173.4	176.3
400	110.8	109.1	112.5	124.7	158.4	158.3	155.7	158.6
350	125.9	113.6	114.4	118.9	147.3	156.1	148.0	143.2
300	209.7	212.6	156.6	123.7	158.0	174.9	157.2	151.0
LONG	-63.09	-63.20	-62.67	-61.83	-61.18	-60.44	-59.62	-58.70
LAT	-42.59	-44.51	-46.49	-49.28	-51.19	-53.14	-55.08	-56.97
QUAL	33	33	33	32	32	33	22	22

Table III.—Continued

PASS 1179 AT SOLANT, 621224								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	160802	160838	160913	160949	161024	161100	161136	161211
1000	0.208	0.209	0.190	0.195	0.188	0.186	0.188	0.187
950	0.226	0.222	0.209	0.216	0.208	0.205	0.206	0.206
900	0.252	0.249	0.232	0.241	0.231	0.227	0.229	0.228
850	0.279	0.291	0.260	0.270	0.260	0.253	0.255	0.253
800	0.313	0.325	0.294	0.304	0.296	0.285	0.286	0.285
750	0.354	0.356	0.337	0.347	0.339	0.326	0.328	0.325
700	0.406	0.421	0.391	0.401	0.393	0.376	0.380	0.375
650	0.480	0.505	0.464	0.474	0.464	0.446	0.448	0.441
600	0.613	0.613	0.571	0.577	0.560	0.541	0.550	0.533
550	0.899	0.759	0.720	0.716	0.700	0.684	0.690	0.679
500	1.034	0.959	0.920	0.898	0.883	0.859	0.866	0.840
450	1.301	1.216	1.186	1.146	1.154	1.138	1.112	1.082
400	1.720	1.585	1.565	1.513	1.514	1.525	1.506	1.434
350	2.386	2.189	2.137	2.081	2.081	2.130	2.115	1.982
300	3.459		2.942	2.925	2.920	3.013	3.110	2.941
HEIGHT	SCALE HEIGHT, KM							
	160802	160838	160913	160949	161024	161100	161136	161211
950	545.2	676.8	503.0	474.6	478.7	495.8	509.5	496.2
900	488.3	490.8	456.1	443.6	443.3	482.1	477.3	474.7
850	451.4	395.9	422.2	428.0	407.0	438.7	438.9	442.5
800	416.3	392.0	385.4	404.0	380.3	404.3	400.6	407.8
750	381.6	388.1	347.7	361.9	355.5	365.5	368.5	372.0
700	343.4	328.6	320.9	323.0	316.6	310.7	331.5	325.7
650	297.0	272.4	266.7	280.4	277.5	282.9	267.3	293.0
600	177.8	243.3	221.4	242.5	246.4	227.7	231.5	221.0
550	211.8	227.6	211.8	221.6	227.1	202.8	215.8	217.3
500	243.6	218.6	202.0	210.7	208.1	194.6	205.4	215.5
450	187.6	198.1	191.9	195.6	192.3	181.6	189.3	183.4
400	167.2	173.7	174.8	174.0	174.6	167.6	163.4	170.9
350	145.9	147.8	157.4	164.0	153.3	155.4	137.6	140.9
300	152.3		168.9	173.1	192.1	181.9	156.9	145.4
LONG	-57.70	-56.48	-55.18	-53.64	-51.85	-49.87	-47.24	-44.39
LAT	-58.90	-60.80	-62.65	-64.53	-66.33	-68.17	-69.95	-71.66
QUAL	12	25	22	22	22	22	22	22

Table III. —Continued

PASS 1179 AT SOLANT, 621224			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	161247	161323	161358
1000	0.200	0.199	0.213
950	0.220	0.218	0.236
900	0.243	0.239	0.259
850	0.268	0.265	0.286
800	0.298	0.297	0.321
750	0.358	0.338	0.366
700	0.389	0.393	0.428
650	0.460	0.467	0.507
600	0.565	0.567	0.607
550	0.765	0.701	0.728
500	0.873	0.867	0.918
450	1.097	1.125	1.166
400	1.466	1.450	1.509
350	2.032	1.978	2.003
300	2.887	2.726	2.828
HEIGHT	SCALE HEIGHT, KM		
	523.4	550.0	525.1
950	523.4	550.0	525.1
900	512.7	507.5	501.4
850	468.4	465.3	461.5
800	425.0	423.2	410.3
750	383.8	358.4	359.9
700	337.7	309.5	314.0
650	284.7	278.8	283.8
600	227.8	254.2	266.8
550	215.5	236.6	249.9
500	212.7	218.9	230.6
450	201.7	200.6	210.9
400	170.1	182.3	187.2
350	151.6	166.8	170.2
300	139.1	146.2	194.2
LONG	-40.79	-36.26	-31.35
LAT	-73.35	-74.94	-76.43
QUAL	22	33	52

Table III.—Continued

PASS 1193 AT RESLUT, 621225								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	160757	160815	160832	160850	160908	160926	160944	161002
1000	0.077	0.084	0.106	0.031	0.035	0.040	0.043	0.049
950	0.066	0.099	0.120	0.039	0.042	0.048	0.054	0.058
900	0.100	0.114	0.135	0.048	0.050	0.058	0.066	0.068
850	0.117	0.131	0.153	0.058	0.060	0.071	0.080	0.084
800	0.136	0.151	0.177	0.071	0.073	0.086	0.098	0.101
750	0.160	0.173	0.205	0.089	0.091	0.106	0.117	0.119
700	0.190	0.202	0.240	0.110	0.113	0.130	0.143	0.146
650	0.229	0.238	0.281	0.138	0.141	0.158	0.179	0.182
600	0.285	0.287	0.327	0.172	0.176	0.198	0.226	0.228
550	0.354	0.354	0.408	0.229	0.228	0.260	0.288	0.290
500	0.464	0.457	0.528	0.304	0.299	0.344	0.386	0.385
450	0.605	0.598	0.715	0.413	0.405	0.485	0.543	0.539
400	0.804	0.814	0.967	0.582	0.580	0.703	0.792	0.778
350	1.130	1.193	1.423	0.865	0.864	1.066	1.211	1.216
300	1.644	1.818	2.086	1.442	1.371	1.674	1.904	2.016
HEIGHT	SCALE HEIGHT, KM							
	386.2		426.9	245.8	288.6	251.9		369.1
950	386.2		426.9	245.8	288.6	251.9		369.1
900	334.4	349.7	403.6	249.8	276.0	253.5	246.6	293.3
850	316.7	351.1	371.2	244.8	259.5	251.8	251.5	262.6
800	311.6	345.6	348.7	239.6	252.0	250.1	251.4	261.4
750	295.2	336.5	326.9	234.1	247.0	248.7	251.4	260.3
700	276.5	315.4	309.3	228.2	242.1	247.3	244.9	250.7
650	256.1	286.6	292.2	214.0	224.8	238.1	228.8	236.6
600	233.3	253.8	275.0	199.7	205.6	201.1	211.4	215.9
550	210.7	218.9	236.2	187.4	193.2	183.9	190.1	189.3
500	200.4	200.1	186.1	175.2	178.4	168.7	156.0	164.1
450	190.0	184.0	165.2	161.0	154.8	148.0	145.6	150.1
400	164.3	150.0	149.8	143.7	138.2	129.4	127.4	127.9
350	142.2	127.6	138.0	108.1	113.6	117.4	115.9	105.9
300	132.9	126.3	141.7	101.7	109.6	102.2	110.8	99.1
LONG	-97.65	-96.98	-96.20	-95.37	-94.62	-93.97	-93.31	-92.67
LAT	66.04	65.10	64.20	63.25	62.29	61.33	60.37	59.40
QUAL	33	23	33	33	33	23	23	33

Table III. —Continued

PASS 1193 AT RESLUT, 621225				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	161019	161113	161131	161148
1000	0.049	0.113	0.086	0.090
950	0.059	0.126	0.100	0.103
900	0.070	0.140	0.115	0.118
850	0.084	0.160	0.133	0.136
800	0.102	0.185	0.153	0.157
750	0.124	0.214	0.180	0.181
700	0.151	0.252	0.212	0.214
650	0.185	0.300	0.255	0.257
600	0.231	0.360	0.306	0.310
550	0.302	0.443	0.374	0.377
500	0.403	0.571	0.473	0.479
450	0.560	0.750	0.622	0.620
400	0.815	1.058	0.870	0.856
350	1.297	1.588	1.318	1.284
300	2.213	2.645	2.186	2.092
HEIGHT	SCALE HEIGHT, KM			
	278.7	477.6	339.4	365.5
950	278.7	477.6	339.4	365.5
900	273.3	422.7	344.7	357.9
850	268.3	378.8	334.5	343.9
800	263.3	344.2	323.4	330.1
750	258.1	316.6	309.4	316.3
700	252.9	299.7	295.4	300.8
650	234.9	285.7	281.7	284.3
600	203.4	264.8	268.0	263.5
550	185.0	216.7	228.3	228.9
500	167.1	197.0	198.0	205.2
450	150.0	173.6	170.0	183.7
400	122.0	135.5	138.1	143.7
350	99.3	112.7	115.2	115.9
300	115.3	92.7	100.5	104.9
LONG	-92.18	-90.67	-90.24	-89.83
LAT	58.48	55.54	54.55	53.62
QUAL	23	33	33	33

Table III. —Continued

PASS 1193 AT OTTAWA, 621225								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	161436	161548	161719	161752	161846	161939	162015	162108
1000	0.084	0.078	0.095	0.086	0.104	0.104	0.106	0.109
950	0.098	0.092	0.108	0.095	0.114	0.112	0.117	0.118
900	0.111	0.101	0.118	0.106	0.126	0.122	0.127	0.125
850	0.128	0.111	0.131	0.118	0.139	0.135	0.139	0.145
800	0.149	0.122	0.148	0.132	0.154	0.151	0.154	0.159
750	0.173	0.150	0.170	0.154	0.178	0.169	0.171	0.170
700	0.203	0.184	0.200	0.184	0.208	0.197	0.195	0.197
650	0.241	0.214	0.240	0.222	0.243	0.234	0.233	0.236
600	0.290	0.253	0.293	0.273	0.293	0.288	0.284	0.284
550	0.364	0.313	0.358	0.335	0.371	0.366	0.357	0.348
500	0.461	0.398	0.461	0.446	0.483	0.473	0.448	0.479
450	0.611	0.510	0.620	0.611	0.648	0.637	0.616	0.664
400	0.830	0.696	0.873	0.858	0.897	0.888	0.865	0.954
350	1.200	0.977	1.324	1.319	1.346	1.332	1.323	1.553
300	1.875	1.529	2.459		2.392	2.408	2.402	3.313
HEIGHT	SCALE HEIGHT, KM							
	421.1		494.8	514.1	564.8	638.5	622.9	816.8
950								
900	375.8	489.4	492.2	454.1	501.3	530.7	574.2	631.8
850	348.2	440.1	445.9	415.8	461.8	471.4	505.9	469.9
800	333.6	389.3	399.6	377.6	420.8	424.7	458.3	465.1
750	319.9	330.5	352.3	333.9	372.2	379.9	411.1	460.3
700	302.7	288.1	303.8	289.6	324.7	329.4	357.8	347.4
650	277.1	287.0	266.6	257.9	285.5	276.3	298.0	267.1
600	239.4	267.6	246.8	237.1	249.0	238.2	245.5	244.3
550	220.9	229.2	227.0	216.4	215.2	212.7	219.5	212.6
500	202.5	204.5	199.0	185.9	188.0	187.8	193.4	152.4
450	177.5	183.5	164.6	154.2	169.5	164.3	165.6	148.5
400	151.6	162.8	138.8	136.4	141.9	140.1	137.0	123.2
350	130.9	133.3	101.6	102.9	108.7	111.7	101.2	87.2
300	106.9	101.0	71.7		75.1	75.7	71.8	65.4
LONG	-86.61	-85.86	-84.87	-84.55	-84.06	-84.28	-84.11	-82.99
LAT	44.32	40.13	35.21	33.36	30.33	27.35	25.32	22.34
QUAL	23	23	33	33	33	33	33	33

Table III. —Continued

PASS 1193 AT OTTAWA, 621225	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	162144
1000	0.116
950	0.123
900	0.132
850	0.143
800	0.162
750	0.167
700	0.219
650	0.255
600	0.309
550	0.415
500	0.504
450	0.763
400	1.113
350	
300	
HEIGHT	SCALE HEIGHT, KM
950	825.7
900	634.1
850	513.6
800	449.0
750	384.4
700	328.3
650	282.8
600	236.1
550	186.5
500	163.8
450	152.7
400	119.0
350	
300	
LONG	-82.75
LAT	20.51
QUAL	33

Table III.—Continued

PASS 1193 AT QUITOE, 621225								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	162324	162400	162435	162511	162546	162622	162715	162751
1000	0.172	0.156	0.147	0.163	0.178	0.188	0.224	0.253
950	0.180	0.169	0.160	0.175	0.188	0.204	0.247	0.278
900	0.188	0.181	0.172	0.186	0.205	0.221	0.270	0.304
850	0.198	0.196	0.188	0.200	0.223	0.241	0.296	0.334
800	0.211	0.214	0.207	0.218	0.242	0.264	0.327	0.369
750	0.238	0.235	0.229	0.245	0.267	0.295	0.365	0.421
700	0.297	0.269	0.255	0.281	0.295	0.337	0.420	0.495
650	0.368	0.317	0.298	0.327	0.341	0.394	0.498	0.606
600	0.429	0.381	0.351	0.383	0.418	0.479	0.627	0.782
550	0.489	0.474	0.439	0.486	0.534	0.623	0.842	1.140
500	0.684	0.601	0.575	0.638	0.736	0.878	1.249	1.780
450	0.962	0.826	0.793	0.886	1.049	1.303	2.129	2.955
400	1.274	1.127	1.109	1.299	1.549	2.099	3.978	5.138
350	1.707	1.612	1.641	2.012	2.471	3.728	7.140	8.631
300	2.698	2.556	2.665	3.363	4.331	6.889	11.462	12.497
HEIGHT	SCALE HEIGHT, KM							
	1286.3	715.4	622.6	763.0	737.9	622.4	543.1	561.6
950	1286.3	715.4	622.6	763.0	737.9	622.4	543.1	561.6
900	980.0	666.3	605.4	720.3	659.8	590.2	552.8	536.0
850	812.4	617.3	553.3	621.5	586.3	540.6	510.4	488.3
800	644.8	538.0	502.0	525.8	529.2	482.3	457.3	429.1
750	491.9	445.2	451.6	435.8	476.5	422.5	401.7	364.7
700	365.8	379.2	399.1	357.3	423.9	361.5	339.2	297.6
650	277.1	319.4	336.8	313.2	343.4	300.0	272.0	231.8
600	262.9	264.5	274.5	269.1	230.6	237.4	210.8	168.3
550	248.7	226.0	218.0	221.1	182.0	179.4	155.5	130.7
500	202.1	191.1	178.6	174.4	154.9	137.8	112.4	109.4
450	162.5	173.7	156.2	147.6	136.4	120.0	87.7	93.7
400	158.3	155.9	140.2	120.2	120.1	98.2	81.6	93.8
350	145.1	129.0	120.2	109.0	101.4	83.1	92.6	106.8
300	107.5	103.7	93.1	93.9	82.5	82.7	142.0	174.5
LONG	-82.13	-81.91	-81.72	-81.52	-81.33	-81.13	-80.85	-80.67
LAT	14.67	12.64	10.66	8.63	6.66	4.63	1.63	-0.40
QUAL	23	23	23	23	23	23	23	23

Table III.—Continued

PASS 1193 AT QUITOE, 621225								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	162827	162902	162938	163013	163049	163125	163200	163236
1000	0.248	0.284	0.298	0.299	0.313	0.328	0.318	0.317
950	0.271	0.306	0.324	0.327	0.340	0.362	0.344	0.346
900	0.297	0.339	0.361	0.364	0.389	0.408	0.383	0.386
850	0.329	0.377	0.406	0.419	0.438	0.465	0.429	0.434
800	0.368	0.422	0.460	0.478	0.496	0.539	0.483	0.490
750	0.420	0.522	0.523	0.554	0.592	0.632	0.546	0.564
700	0.553	0.655	0.640	0.698	0.715	0.743	0.683	0.714
650	0.730	0.833	0.842	0.887	0.932	0.961	0.889	0.920
600	0.968	1.074	1.133	1.237	1.279	1.394	1.228	1.258
550	1.266	1.532	1.631	1.819	1.900	2.064	1.832	1.877
500	1.973	2.457	2.635	2.910	3.015	3.077	2.796	2.885
450	3.434	4.062	4.307	4.556	4.568	4.555	4.225	4.520
400	5.944	6.383		6.627	6.436	6.252	6.113	6.462
350	9.204	9.136			7.757	7.604	7.728	8.201
300		11.187						
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	542.1	591.0	531.0	481.8	537.8	457.3	559.4	500.9
900	483.8	470.7	434.0	417.6	419.0	400.4	452.6	442.0
850	429.8	408.9	396.8	372.2	379.1	365.9	412.6	398.6
800	375.8	347.5	359.6	333.8	338.7	328.2	372.6	355.3
750	320.6	298.1	322.4	292.7	289.9	292.9	332.5	308.6
700	256.1	248.8	270.9	240.4	241.1	257.5	254.8	243.8
650	191.7	206.7	205.8	188.3	192.5	193.1	176.6	184.0
600	170.2	176.4	158.4	151.8	147.2	132.5	144.7	146.8
550	154.0	117.3	118.6	116.8	118.7	128.2	121.1	122.0
500	101.1	103.1	102.8	108.2	111.9	125.1	119.8	113.6
450	89.3	104.6	107.3	121.2	130.6	141.2	125.6	121.4
400	102.5	118.9		158.0	190.0	193.9	163.0	169.4
350	126.2	172.8			447.0	365.4	311.4	287.4
300		385.7						
LONG	-80.48	-80.29	-80.10	-79.91	-79.71	-79.51	-79.31	-79.09
LAT	-2.43	-4.40	-6.44	-8.41	-10.44	-12.47	-14.44	-16.47
QUAL	23	23	22	22	22	22	22	22

Table III.—Continued

PASS 1193 AT AGASTA, 621225								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	163319	163354	163430	163506	163541	163617	163653	163723
1000	0.259	0.249	0.248	0.253	0.200	0.220	0.189	0.216
950	0.290	0.280	0.273	0.287	0.227	0.244	0.213	0.239
900	0.327	0.312	0.305	0.321	0.261	0.273	0.244	0.272
850	0.378	0.356	0.344	0.366	0.301	0.318	0.284	0.315
800	0.442	0.412	0.394	0.423	0.351	0.377	0.334	0.370
750	0.524	0.482	0.453	0.494	0.410	0.451	0.395	0.437
700	0.624	0.605	0.570	0.576	0.483	0.540	0.467	0.516
650	0.825	0.791	0.738	0.729	0.605	0.643	0.599	0.651
600	1.152	1.075	1.001	0.979	0.797	0.851	0.804	0.894
550	1.810	1.608	1.485	1.440	1.148	1.192	1.130	1.254
500	3.008	2.809	2.514	2.381	1.867	1.863	1.763	1.939
450	5.037	4.900	4.511	4.209	3.395	3.305	3.052	3.223
400	7.448	7.676	7.840	7.320	6.311	6.046	5.444	5.487
350	9.458	10.392	11.749	11.560	10.759	10.040	9.021	8.874
300								
HEIGHT	SCALE HEIGHT, KM							
	407.4	408.5	458.6	395.3	371.7	428.5	377.1	446.5
950								
900	375.9	403.6	424.0	393.3	350.2	387.3	355.4	402.3
850	341.0	361.6	386.2	357.6	329.9	342.9	334.1	358.2
800	307.1	318.0	340.9	327.9	314.2	298.5	311.0	319.4
750	274.8	273.8	295.6	301.3	298.4	277.7	282.6	288.0
700	241.3	222.8	237.4	274.7	276.2	257.6	254.3	256.7
650	179.6	179.5	183.6	215.7	215.3	237.4	202.1	217.7
600	137.7	149.3	146.8	153.6	165.5	188.8	159.5	169.1
550	96.5	110.3	115.5	117.4	124.4	135.0	133.1	135.4
500	97.0	85.1	86.4	90.6	93.9	100.0	104.9	104.0
450	111.0	97.6	87.0	86.6	81.8	85.4	88.5	97.1
400	161.5	135.4	105.8	100.8	86.6	83.8	90.3	95.1
350	315.7	223.5	164.6	125.5	100.5	119.7	105.5	121.5
300								
LONG	-78.83	-78.61	-78.36	-78.11	-77.65	-77.57	-77.27	-76.96
LAT	-18.89	-20.85	-22.87	-24.88	-26.84	-28.85	-30.86	-32.81
QUAL	23	23	23	23	23	23	23	23

Table III. —Continued

PASS 1193 AT AGASTA, 621225						
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)						
HEIGHT	TIME (UT)					
	163804	163839	163915	163951	164102	164213
1000	0.205	0.203	0.193	0.241	0.202	0.181
950	0.219	0.222	0.216	0.266	0.222	0.199
900	0.242	0.247	0.243	0.296	0.248	0.219
850	0.270	0.278	0.274	0.331	0.278	0.245
800	0.303	0.316	0.312	0.373	0.310	0.276
750	0.341	0.360	0.357	0.421	0.354	0.312
700	0.410	0.412	0.409	0.476	0.410	0.354
650	0.521	0.478	0.504	0.569	0.478	0.422
600	0.679	0.616	0.625	0.692	0.575	0.505
550	0.931	0.822	0.821	0.876	0.716	0.626
500	1.393	1.190	1.140	1.139	0.944	0.785
450	2.232	1.873	1.715	1.564	1.294	1.033
400	3.882	3.298	2.793	2.250	1.809	1.379
350	7.067	5.944	5.048	3.477	2.607	1.873
300	11.253	10.137	8.905	5.718	3.600	2.652
HEIGHT	SCALE HEIGHT, KM					
950	600.7	501.4	424.4	472.2	505.8	498.9
900	494.3	458.4	409.7	452.7	466.1	476.4
850	441.2	415.4	392.9	430.7	431.1	441.4
800	396.3	384.1	366.2	403.1	396.9	407.8
750	351.4	355.5	338.1	374.2	366.9	375.6
700	290.2	327.0	309.7	345.4	337.8	342.9
650	217.8	291.9	263.1	298.5	308.7	303.4
600	177.7	219.3	216.5	248.7	267.9	263.9
550	145.0	159.6	177.1	210.9	215.9	234.3
500	117.4	125.2	143.1	180.5	180.6	207.4
450	98.3	99.4	115.6	153.8	157.1	186.1
400	83.1	85.9	94.6	127.5	144.0	169.9
350	93.2	86.2	82.4	107.4	135.4	154.1
300	194.7	125.1	99.6	108.8	138.7	135.9
LONG	-76.03	-76.27	-75.89	-75.47	-74.55	-73.43
LAT	-34.61	-36.75	-38.75	-40.73	-44.65	-48.54
QUAL	23	22	22	23	22	22

Table III. —Continued

PASS 1193 AT SULANT, 621225					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	163803	163949	164024	164138	164301
1000	0.336	0.300	0.233	0.267	0.228
950	0.354	0.327	0.318	0.291	0.248
900	0.380	0.359	0.348	0.319	0.275
850	0.415	0.397	0.384	0.352	0.304
800	0.460	0.442	0.430	0.392	0.336
750	0.522	0.504	0.490	0.443	0.380
700	0.608	0.582	0.569	0.508	0.435
650	0.751	0.696	0.676	0.594	0.508
600	0.972	0.838	0.830	0.740	0.606
550	1.286	1.009	1.045	0.892	0.765
500	1.724	1.344	1.367	1.043	0.999
450	2.428	1.847	1.853	1.270	1.251
400	3.746	2.642	2.578	1.958	1.550
350	5.901	3.992	3.741	2.639	2.152
300	8.953	6.181	5.374	3.696	2.947
HEIGHT	SCALE HEIGHT, KM				
	820.6	548.7	570.9	562.6	559.4
950	820.6	548.7	570.9	562.6	559.4
900	637.6	506.4	523.3	527.2	505.5
850	514.1	465.4	481.9	482.8	485.6
800	439.0	424.3	410.1	435.4	441.7
750	378.6	367.8	361.3	388.4	394.3
700	283.8	310.9	315.6	347.1	359.6
650	221.2	285.2	261.6	286.2	300.6
600	199.7	259.9	236.8	237.8	269.6
550	180.4	234.6	208.1	231.2	207.1
500	163.6	188.4	175.3	224.6	203.6
450	133.9	151.0	162.7	203.8	200.7
400	112.9	132.2	145.0	138.7	195.4
350	113.5	115.6	134.3	153.6	162.1
300	129.6	124.5	161.5	159.8	161.0
LONG	-76.04	-75.50	-75.05	-74.00	-72.57
LAT	-34.76	-40.62	-42.55	-46.62	-51.15
QUAL	23	23	22	21	22

Table III.—Continued

PASS 1193 AT SULANT, 621225								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	164334	164412	164438	164523	164557	164634	164708	164746
1000	0.220	0.227	0.220	0.207	0.211	0.188	0.181	0.183
950	0.237	0.247	0.242	0.224	0.227	0.203	0.195	0.199
900	0.239	0.271	0.265	0.244	0.247	0.222	0.212	0.217
850	0.235	0.300	0.292	0.269	0.274	0.244	0.234	0.239
800	0.318	0.335	0.326	0.302	0.304	0.270	0.262	0.267
750	0.339	0.377	0.367	0.340	0.339	0.306	0.296	0.301
700	0.412	0.429	0.419	0.390	0.386	0.350	0.336	0.342
650	0.479	0.500	0.487	0.456	0.446	0.405	0.389	0.397
600	0.570	0.597	0.577	0.543	0.535	0.482	0.464	0.474
550	0.719	0.729	0.759	0.675	0.662	0.593	0.563	0.578
500	0.907	0.908	0.951	0.898	0.825	0.744	0.711	0.724
450	1.143	1.161	1.163	1.196	1.038	0.938	0.922	0.903
400	1.553	1.505	1.600	1.526	1.331	1.211	1.183	1.158
350	2.086	1.995	2.166	1.908	1.738	1.596	1.490	1.498
300	2.868	2.781	2.896	2.704	2.468	2.221	2.005	2.111
HEIGHT	SCALE HEIGHT, KM							
	599.0	570.1	552.4	608.2	663.6	623.6	605.4	593.8
950	599.0	570.1	552.4	608.2	663.6	623.6	605.4	593.8
900	548.6	517.6	524.2	542.6	520.9	550.3	551.2	529.1
850	485.0	477.0	435.1	479.6	473.2	502.0	496.4	488.7
800	438.4	446.8	441.5	424.4	457.0	457.1	437.2	444.1
750	390.2	399.1	401.6	389.2	420.5	396.5	402.9	399.6
700	345.0	359.5	356.1	351.9	361.4	354.2	381.6	363.9
650	313.3	304.5	312.7	308.5	321.3	315.0	301.8	331.7
600	258.8	261.6	226.4	265.6	253.3	266.3	282.9	257.2
550	209.1	239.0	214.4	191.3	229.5	231.8	235.5	229.1
500	202.6	220.0	213.5	190.5	219.5	215.6	208.8	212.9
450	192.9	205.6	202.5	189.1	208.5	206.6	208.4	212.5
400	173.0	188.3	180.9	186.9	191.6	191.6	200.8	196.0
350	162.7	166.9	171.3	184.7	169.6	171.5	189.3	173.6
300	154.4	152.3	168.4	140.7	143.2	155.0	172.1	150.2
LONG	-71.99	-71.19	-70.43	-69.07	-68.01	-66.59	-65.18	-63.28
LAT	-52.94	-55.00	-55.40	-58.80	-60.61	-61.43	-62.61	-65.84
QUAL	22	22	22	22	22	22	22	12

Table III.—Continued

PASS 1193 AT SOLANT, 621225							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	164821	164857	164933	165008	165042	165120	165155
1000	0.181	0.192	0.189	0.195	0.195	0.188	0.207
950	0.197	0.208	0.206	0.214	0.212	0.205	0.223
900	0.216	0.229	0.226	0.237	0.235	0.226	0.243
850	0.238	0.253	0.249	0.260	0.261	0.250	0.266
800	0.266	0.281	0.278	0.289	0.292	0.279	0.295
750	0.299	0.318	0.313	0.326	0.330	0.317	0.332
700	0.341	0.362	0.357	0.371	0.376	0.362	0.374
650	0.394	0.423	0.412	0.427	0.437	0.421	0.433
600	0.469	0.500	0.488	0.506	0.518	0.498	0.515
550	0.572	0.599	0.591	0.606	0.634	0.610	0.623
500	0.695	0.739	0.722	0.748	0.792	0.771	0.758
450	0.873	0.933	0.936	0.923	1.000	0.979	0.951
400	1.124	1.182	1.244	1.191	1.257	1.266	1.200
350	1.450	1.516	1.574	1.532	1.660	1.645	1.580
300	1.949	2.009	2.019	2.100	2.249	2.259	2.124
HEIGHT	SCALE HEIGHT, KM						
	557.3	570.8	562.2	541.7	542.1	552.8	660.6
950	557.3	570.8	562.2	541.7	542.1	552.8	660.6
900	520.4	516.7	526.6	524.7	495.9	510.8	577.1
850	482.7	480.3	490.3	517.6	462.5	468.7	512.6
800	446.3	440.9	436.5	439.5	432.1	424.5	469.5
750	404.3	397.2	400.1	394.0	400.0	388.7	479.6
700	365.4	339.5	363.7	359.6	354.4	349.9	369.6
650	320.7	318.6	327.1	326.4	312.1	313.4	308.3
600	268.4	301.1	281.9	294.5	276.2	274.3	280.4
550	249.8	263.5	269.0	263.3	241.1	224.4	258.4
500	233.8	224.7	197.5	241.0	218.8	217.0	238.8
450	212.0	219.7	199.9	218.7	212.6	209.5	221.1
400	200.6	212.6	204.1	202.0	206.2	194.2	203.8
350	183.5	193.0	199.5	185.3	181.5	178.3	180.2
300	148.7	168.6	186.4	166.0	160.0	170.0	182.3
LONG	-61.21	-58.86	-55.74	-52.37	-48.18	-42.47	-36.34
LAT	-68.08	-69.89	-71.62	-73.28	-74.79	-76.37	-77.73
QUAL	12	23	23	13	22	22	22

Table III.—Continued

PASS 1214 AT OTTAWA, 621227	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	44737
1000	0.029
950	0.033
900	0.037
850	0.041
800	0.047
750	0.054
700	0.063
650	0.075
600	0.092
550	0.118
500	0.153
450	0.206
400	0.313
350	0.547
300	1.020
HEIGHT	SCALE HEIGHT, KM
950	
900	463.5
850	434.3
800	384.5
750	339.1
700	298.3
650	264.7
600	234.1
550	211.2
500	183.9
450	143.9
400	112.7
350	83.0
300	82.7
LONG	-74.86
LAT	54.95
QUAL	33

Table III. —Continued

PASS 1261 AT RESLUT, 621230								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	154514	154531	154549	154607	154625	154700	154717	154754
1000	0.010	0.018	0.025	0.018	0.014	0.008	0.017	0.019
950	0.016	0.024	0.030	0.024	0.020	0.015	0.024	0.024
900	0.021	0.028	0.036	0.030	0.027	0.022	0.031	0.029
850	0.026	0.032	0.043	0.038	0.033	0.028	0.038	0.035
800	0.033	0.037	0.052	0.047	0.042	0.036	0.047	0.043
750	0.041	0.043	0.065	0.059	0.052	0.045	0.058	0.055
700	0.052	0.056	0.080	0.073	0.065	0.057	0.072	0.070
650	0.065	0.073	0.098	0.089	0.082	0.071	0.087	0.088
600	0.083	0.093	0.121	0.113	0.103	0.092	0.110	0.108
550	0.112	0.122	0.155	0.146	0.134	0.121	0.140	0.138
500	0.147	0.162	0.204	0.201	0.178	0.157	0.178	0.179
450	0.208	0.235	0.289	0.279	0.252	0.225	0.248	0.245
400	0.292	0.338	0.419	0.409	0.367	0.326	0.358	0.357
350	0.452	0.520	0.619	0.629	0.549	0.492	0.538	0.551
300	0.768	0.866	1.017	1.076	0.930	0.808	0.903	0.937
HEIGHT	SCALE HEIGHT, KM							
950								
900		267.0	262.8					237.2
850	216.1	283.8	253.8	216.3	210.5		225.1	237.0
800	217.8	280.6	249.6	222.0	217.4	203.6	233.5	237.1
750	219.5	277.1	251.2	226.1	221.7	213.6	233.2	237.6
700	214.1	225.7	252.8	230.2	225.9	210.2	232.9	238.0
650	204.2	194.5	254.4	234.3	216.9	206.7	232.6	235.5
600	193.1	193.5	220.4	206.8	204.1	197.4	221.2	218.6
550	180.4	177.6	191.6	175.0	186.0	184.4	203.4	200.5
500	167.6	156.5	167.2	163.6	166.1	171.4	184.3	182.2
450	152.2	144.1	147.2	146.9	144.8	148.6	154.0	152.8
400	136.2	131.1	131.8	122.7	127.4	128.1	132.5	124.7
350	113.9	110.9	121.3	112.5	116.2	115.5	120.0	109.4
300	86.5	93.6	93.0	87.1	86.4	89.3	80.8	83.3
LONG	-97.70	-97.11	-96.49	-95.91	-95.41	-94.43	-94.04	-93.19
LAT	61.31	60.40	59.43	58.46	57.48	55.57	54.64	52.61
QUAL	33	23	23	23	23	23	23	13

Table III. —Continued

PASS 1261 AT RESLUT, 621230	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	154811
1000	0.021
950	0.026
900	0.032
850	0.039
800	0.047
750	0.059
700	0.072
650	0.069
600	0.110
550	0.139
500	0.184
450	0.252
400	0.358
350	0.532
300	0.887
HEIGHT	SCALE HEIGHT, KM
950	251.5
900	247.1
850	243.5
800	239.9
750	238.8
700	238.4
650	238.0
600	227.8
550	195.6
500	173.6
450	157.8
400	139.5
350	117.9
300	87.1
LONG	-92.84
LAT	51.67
QUAL	13

Table III.—Continued

PASS 1261 AT OTTAWA, 621230								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	154920	154946	155035	155107	155142	155218	155253	155311
1000	0.027	0.042	0.036	0.051	0.060	0.058	0.075	0.062
950	0.034	0.051	0.046	0.062	0.071	0.069	0.088	0.073
900	0.043	0.061	0.056	0.073	0.082	0.080	0.100	0.084
850	0.053	0.072	0.067	0.087	0.096	0.092	0.114	0.096
800	0.065	0.086	0.082	0.103	0.112	0.108	0.132	0.111
750	0.079	0.103	0.100	0.122	0.133	0.127	0.153	0.129
700	0.096	0.124	0.122	0.147	0.158	0.151	0.178	0.152
650	0.120	0.152	0.151	0.178	0.191	0.181	0.209	0.180
600	0.152	0.188	0.189	0.218	0.234	0.220	0.249	0.216
550	0.195	0.241	0.242	0.273	0.300	0.276	0.313	0.272
500	0.258	0.317	0.318	0.370	0.389	0.366	0.404	0.360
450	0.363	0.450	0.461	0.508	0.518	0.484	0.533	0.494
400	0.539	0.681	0.669	0.743	0.723	0.682	0.747	0.668
350	0.891	1.075	1.069	1.099	1.093	0.997	1.064	1.033
300	1.546	1.755	1.841	1.817	1.734	1.567	1.656	1.636
HEIGHT	SCALE HEIGHT, KM							
900	228.3	294.1	261.2	293.3	333.2	361.0	392.1	354.8
850	236.4	291.0	260.5	293.8	317.4	331.3	359.9	349.5
800	246.0	274.2	257.3	286.3	304.0	313.8	342.3	337.7
750	250.6	264.5	252.5	276.5	290.7	296.1	332.7	319.5
700	246.6	255.0	238.4	269.8	273.6	281.3	320.0	298.2
650	212.2	244.6	225.2	259.3	250.2	266.4	287.8	274.6
600	207.7	216.9	213.4	231.6	224.5	232.5	244.8	242.8
550	192.1	190.2	191.4	186.3	207.2	204.3	219.0	205.1
500	162.2	167.5	159.2	169.5	191.2	187.6	197.1	181.8
450	136.5	135.4	141.9	153.7	167.4	170.8	175.6	165.3
400	114.4	119.6	125.6	136.7	135.4	150.8	155.1	148.6
350	102.5	100.6	105.0	119.0	121.3	126.0	131.9	122.4
300	74.8	72.4	75.7	92.2	101.8	100.0	107.2	102.3
LONG	-91.57	-91.15	-90.43	-89.99	-89.57	-89.15	-88.78	-88.60
LAT	47.60	46.42	45.70	41.92	39.97	37.96	36.00	34.99
QUAL	23	23	22	23	23	23	23	23

Table III.—Continued

PASS 1261 AT OTTAWA, 621230							
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)							
HEIGHT	TIME (UT)						
	155347	155422	155515	155547	155627	155703	155720
1000	0.071	0.080	0.078	0.068	0.081	0.080	0.081
950	0.086	0.091	0.089	0.077	0.069	0.088	0.091
900	0.098	0.102	0.098	0.084	0.096	0.095	0.099
850	0.111	0.114	0.109	0.092	0.105	0.103	0.108
800	0.126	0.129	0.120	0.102	0.115	0.112	0.120
750	0.145	0.148	0.135	0.114	0.127	0.125	0.134
700	0.168	0.169	0.154	0.128	0.142	0.142	0.149
650	0.195	0.200	0.176	0.145	0.162	0.162	0.171
600	0.238	0.239	0.204	0.169	0.188	0.190	0.202
550	0.292	0.293	0.251	0.204	0.225	0.228	0.251
500	0.358	0.359	0.324	0.251	0.283	0.289	0.324
450	0.485	0.470	0.425	0.330	0.371	0.401	0.439
400	0.646	0.652	0.563	0.446	0.528	0.611	0.588
350	0.911	0.900	0.733	0.662	0.800	0.938	0.861
300	1.336	1.274	1.066	0.998	1.348	1.522	1.621
HEIGHT	SCALE HEIGHT, KM						
900	390.7	448.0	500.2	528.8	601.1	664.3	605.7
850	386.4	427.8	490.7	511.2	562.6	593.3	537.0
800	368.6	386.1	456.6	475.8	522.4	510.9	480.1
750	352.7	354.5	412.7	440.6	471.3	442.6	448.4
700	318.4	333.4	371.1	420.5	416.7	385.8	424.8
650	287.2	291.3	354.0	374.0	354.0	341.9	330.3
600	264.0	258.4	288.8	294.5	299.6	298.4	261.8
550	240.9	233.0	226.5	257.6	257.7	254.8	219.5
500	217.8	217.5	207.9	208.2	213.0	191.4	190.3
450	193.2	195.8	190.7	179.2	166.7	126.7	179.9
400	168.5	172.7	178.1	152.2	130.2	123.5	169.5
350	144.6	154.3	165.4	133.8	114.1	113.7	103.7
300	122.4	149.8	125.3	109.9	84.5	91.9	75.8
LONG	-88.25	-87.94	-87.50	-87.26	-86.97	-86.71	-86.60
LAT	32.98	31.01	28.04	26.24	23.99	21.97	21.01
QUAL	33	22	23	23	23	23	33

Table III.—Continued

PASS 1261 AT QUITCE, 621230								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	155951	160027	160102	160138	160213	160306	160342	160417
1000	0.154	0.156	0.165	0.184	0.199	0.247	0.262	0.300
950	0.162	0.167	0.176	0.193	0.209	0.263	0.283	0.330
900	0.171	0.177	0.190	0.209	0.229	0.291	0.320	0.370
850	0.183	0.190	0.206	0.226	0.249	0.327	0.366	0.419
800	0.197	0.206	0.225	0.246	0.274	0.367	0.412	0.483
750	0.213	0.225	0.246	0.270	0.317	0.415	0.484	0.559
700	0.232	0.272	0.280	0.319	0.373	0.469	0.577	0.684
650	0.271	0.334	0.335	0.383	0.443	0.596	0.801	0.943
600	0.352	0.411	0.404	0.464	0.550	0.802	1.131	1.341
550	0.454	0.509	0.504	0.596	0.705	1.140	1.644	2.089
500	0.576	0.626	0.663	0.815	1.030	1.771	2.761	3.694
450	0.720	0.856	1.006	1.237	1.730	3.196	5.255	
400	1.143	1.309	1.579	2.053	3.362	6.334	9.660	
350	1.759	2.113	2.803		6.746			
300	2.965	3.897	5.340		11.849			
HEIGHT	SCALE HEIGHT, KM							
	1012.1	769.5	748.2	886.3	871.3	650.1	595.7	466.9
950	1012.1	769.5	748.2	886.3	871.3	650.1	595.7	466.9
900	773.5	713.8	638.1	654.6	619.6	515.4	494.6	417.9
850	695.4	626.1	570.3	582.1	519.2	440.2	411.4	371.5
800	623.4	538.4	513.3	509.5	430.8	402.6	354.4	330.8
750	551.4	452.3	456.4	437.9	384.4	365.1	292.2	290.1
700	479.4	389.5	397.6	373.5	337.9	327.5	230.1	238.5
650	394.3	326.8	337.0	309.2	291.5	228.9	186.5	164.4
600	288.6	264.0	276.3	246.1	237.4	158.1	147.0	131.3
550	201.6	229.8	216.2	195.4	177.3	134.7	116.3	98.6
500	185.0	202.3	157.0	147.2	116.3	100.0	86.6	83.0
450	168.5	154.3	124.0	112.1	87.7	80.1	75.9	
400	136.3	113.9	103.7	87.9	70.3	73.6	106.6	
350	112.8	94.0	78.4		77.0			
300	86.0	69.7	75.5		113.5			
LONG	-85.67	-85.47	-85.28	-85.09	-84.90	-84.62	-84.43	-84.25
LAT	12.50	10.47	8.50	6.46	4.49	1.49	-0.53	-2.50
QUAL	23	23	23	23	23	23	23	23

Table III.—Continued

PASS 1261 AT QUITOE, 621230								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	160453	160546	160622	160657	160750	160808	160936	161012
1000	0.328	0.273	0.372	0.369	0.364	0.356	0.333	0.351
950	0.361	0.360	0.413	0.413	0.410	0.396	0.372	0.394
900	0.410	0.403	0.470	0.485	0.473	0.453	0.426	0.452
850	0.474	0.468	0.544	0.580	0.552	0.523	0.491	0.526
800	0.555	0.551	0.634	0.695	0.697	0.615	0.568	0.611
750	0.653	0.653	0.796	0.844	0.932	0.874	0.685	0.716
700	0.858	0.886	1.094	1.157	1.256	1.212	0.862	0.887
650	1.197	1.283	1.566	1.677	1.766	1.626	1.167	1.114
600	1.741	1.947	2.427	2.501	2.610	2.446	1.694	1.499
550	2.873	3.135	3.462	3.477	3.691	3.599	2.600	2.269
500	4.738	4.383	4.242	4.125	4.726		4.218	3.672
450	6.729	5.262	4.920		5.377		6.656	5.891
400	8.225		5.663		6.046			9.145
350			6.188					
300								
HEIGHT	SCALE HEIGHT, KM							
	435.8	370.4	437.6	411.0	387.6	413.0	402.0	401.9
950	435.8	370.4	437.6	411.0	387.6	413.0	402.0	401.9
900	386.5	385.9	358.5	341.4	318.9	348.1	373.6	369.0
850	337.9	318.2	318.7	287.9	271.3	300.3	339.5	337.0
800	295.4	280.3	278.9	255.1	226.2	251.7	302.0	307.6
750	252.8	242.4	221.7	218.4	182.6	186.8	253.9	276.8
700	196.4	180.0	150.3	155.6	166.6	155.0	198.7	239.6
650	143.6	129.4	130.0	133.1	128.6	148.2	154.8	201.1
600	123.1	115.0	125.4	136.1	137.9	126.2	126.6	151.2
550	96.2	121.0	193.2	219.7	164.5	150.2	110.5	112.2
500	121.2	217.7	295.2	372.3	294.2		105.1	103.6
450	165.2	294.1	341.3		414.9		117.1	107.3
400	344.5		425.0		455.2			133.2
350			856.1					
300								
LONG	-84.06	-83.77	-83.58	-83.39	-83.08	-82.97	-82.43	-82.19
LAT	-4.53	-7.51	-9.54	-11.51	-14.50	-15.51	-20.45	-22.46
QUAL	22	23	21	23	22	23	23	22

Table III.—Continued

PASS 1261 AT QUITCE, 621230			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	161048	161123	161141
1000	0.327	0.319	0.305
950	0.362	0.358	0.346
900	0.414	0.409	0.397
850	0.479	0.473	0.461
800	0.557	0.551	0.538
750	0.648	0.643	0.628
700	0.831	0.788	0.773
650	1.079	1.016	0.972
600	1.447	1.349	1.271
550	2.083	1.844	1.703
500	3.459	2.770	2.547
450	5.269	4.384	4.059
400	8.461	7.085	6.550
350		10.412	9.777
300			
HEIGHT	SCALE HEIGHT, KM		
950	422.5	401.1	395.3
900	376.1	370.1	370.0
850	335.7	339.1	344.7
800	302.2	309.5	312.6
750	268.6	280.0	278.7
700	230.7	244.3	245.7
650	192.5	203.3	212.9
600	171.0	170.9	186.1
550	101.4	144.9	153.1
500	122.8	119.2	116.8
450	102.8	105.3	103.6
400	118.0	110.8	111.0
350		222.1	158.6
300			
LONG	-81.94	-81.68	-81.55
LAT	-24.48	-25.43	-27.43
QUAL	23	23	22

Table III.—Continued

PASS 1261 AT AGASTA, 621230								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	160808	160918	160954	161029	161105	161140	161216	161251
1000	0.349	0.325	0.318	0.296	0.305	0.272	0.196	0.246
950	0.391	0.372	0.365	0.340	0.338	0.314	0.230	0.270
900	0.465	0.424	0.416	0.391	0.387	0.362	0.270	0.300
850	0.561	0.499	0.485	0.462	0.451	0.432	0.329	0.337
800	0.677	0.599	0.570	0.548	0.531	0.520	0.401	0.382
750	0.873	0.738	0.678	0.653	0.626	0.631	0.493	0.439
700	1.185	0.933	0.806	0.797	0.772	0.770	0.606	0.536
650	1.669	1.336	1.071	1.014	1.019	0.949	0.783	0.668
600	2.465	1.917	1.541	1.352	1.384	1.313	1.053	0.851
550	3.689	3.019	2.406	1.970	1.958	1.843	1.469	1.081
500		4.755	3.889	3.208	3.076	2.748	2.194	1.580
450		7.169	6.343	5.481	5.091	4.401	3.427	2.414
400		9.437	9.392	8.828	8.123	7.144	5.743	3.985
350						10.324	8.917	6.726
300								9.820
HEIGHT	SCALE HEIGHT, KM							
	160808	160918	160954	161029	161105	161140	161216	161251
950	384.3	347.8	346.1	342.4	411.6	327.4	297.4	499.1
900	299.5	335.0	342.0	328.3	366.2	310.6	283.5	439.5
850	263.0	299.2	319.6	307.9	322.1	293.1	269.4	399.2
800	235.6	259.4	295.1	286.3	294.1	275.5	255.2	360.9
750	193.7	223.3	267.8	262.6	266.1	255.0	238.0	320.1
700	156.9	186.6	240.5	234.5	231.4	230.1	219.3	268.0
650	137.2	147.8	173.0	201.1	188.0	204.3	189.8	221.5
600	123.2	126.8	125.2	160.6	156.6	171.9	160.9	199.2
550	146.0	107.7	110.0	121.2	131.2	140.7	139.9	176.8
500		114.0	102.3	99.9	106.5	116.7	121.4	134.6
450		139.1	106.2	92.3	99.4	102.7	104.9	110.1
400		310.0	150.7	127.4	118.7	110.3	97.4	96.8
350						266.5	148.3	106.0
300								226.1
LONG	-82.97	-82.54	-82.31	-82.07	-81.62	-81.55	-81.27	-80.97
LAT	-15.51	-19.44	-21.45	-23.41	-25.43	-27.38	-29.38	-31.34
QUAL	23	23	23	23	23	22	23	22

Table III.—Continued

PASS 1261 AT AGASTA, 621230								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	161327	161402	161438	161513	161549	161624	161734	161811
1000	0.253	0.246	0.266	0.202	0.192	0.194	0.176	0.161
950	0.273	0.266	0.283	0.222	0.208	0.209	0.192	0.177
900	0.309	0.294	0.305	0.245	0.230	0.230	0.209	0.191
850	0.357	0.327	0.331	0.272	0.258	0.255	0.232	0.211
800	0.407	0.368	0.362	0.305	0.291	0.285	0.259	0.236
750	0.466	0.414	0.422	0.344	0.329	0.319	0.289	0.266
700	0.546	0.494	0.509	0.409	0.373	0.370	0.330	0.303
650	0.719	0.650	0.623	0.490	0.455	0.442	0.389	0.349
600	0.950	0.853	0.766	0.609	0.574	0.537	0.468	0.412
550	1.297	1.115	1.045	0.796	0.748	0.674	0.598	0.527
500	1.947	1.599	1.505	1.132	0.997	0.907	0.787	0.679
450	3.045	2.488	2.344	1.654	1.476	1.283	1.045	0.873
400	5.165	4.145	3.916	2.636	2.320	1.840	1.393	1.158
350	8.317	7.081	6.436	4.579	3.786	2.785	1.865	1.575
300		9.604	8.794	7.367	5.997	4.463	2.538	2.195
HEIGHT	SCALE HEIGHT, KM							
	735.9	570.2	742.0	512.0	503.8	571.4	523.8	502.7
950	735.9	570.2	742.0	512.0	503.8	571.4	523.8	502.7
900	534.8	493.2	626.7	479.3	460.8	527.4	523.2	503.7
850	396.0	442.0	543.1	442.0	422.8	483.4	494.1	481.6
800	357.6	394.5	459.4	403.5	392.6	433.1	462.8	449.4
750	319.1	347.0	369.0	364.9	362.5	382.6	401.7	417.2
700	277.6	294.1	276.2	312.7	332.3	335.2	347.7	373.9
650	222.5	231.6	235.8	260.4	281.4	289.2	300.6	321.3
600	172.4	183.1	206.6	215.1	222.0	244.6	252.5	272.0
550	144.3	164.7	161.1	172.9	182.8	202.6	199.1	230.7
500	122.9	130.3	128.2	138.0	156.5	166.7	183.2	200.3
450	104.2	108.6	107.5	121.2	123.4	143.3	176.2	189.1
400	93.5	89.7	96.7	103.2	106.7	131.5	174.3	173.6
350	140.2	115.4	110.0	86.6	102.6	114.4	169.8	159.2
300		341.6	416.0	166.2	136.7	111.9	165.5	151.2
LONG	-80.65	-80.33	-79.95	-79.57	-79.15	-78.70	-77.68	-77.07
LAT	-33.54	-35.28	-37.27	-39.21	-41.19	-43.12	-46.96	-48.99
QUAL	22	22	22	22	23	22	22	22

Table III.—Continued

PASS 1261 AT SULANT, 621230							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	161403	161514	161643	161700	161754	161900	162029
1000	0.206	0.191	0.149	0.154	0.135	0.131	0.133
950	0.222	0.210	0.166	0.169	0.148	0.142	0.143
900	0.242	0.233	0.184	0.186	0.166	0.154	0.155
850	0.274	0.266	0.204	0.209	0.187	0.175	0.171
800	0.329	0.307	0.233	0.239	0.213	0.204	0.190
750	0.391	0.357	0.269	0.276	0.244	0.232	0.215
700	0.459	0.421	0.313	0.324	0.279	0.261	0.247
650	0.534	0.508	0.377	0.381	0.336	0.315	0.293
600	0.714	0.639	0.471	0.448	0.406	0.390	0.354
550	1.049	0.850	0.609	0.547	0.518	0.494	0.441
500	1.643	1.216	0.823	0.751	0.695	0.649	0.566
450	2.837	1.963	1.232	1.078	0.955	0.899	0.736
400	4.962	3.402	1.951	1.605	1.329	1.247	0.972
350	6.159	5.784	3.194	2.368	1.827	1.770	1.343
300		6.587	5.096	3.608	2.501	2.531	2.041
HEIGHT	SCALE HEIGHT, KM						
	386.7	479.2	482.3	506.6	477.3	587.2	693.0
950	386.7	479.2	482.3	506.6	477.3	587.2	693.0
900	486.6	423.8	453.9	459.1	430.9	489.2	544.8
850	389.8	382.0	422.0	412.9	394.7	437.1	489.6
800	297.5	345.1	386.3	371.6	375.6	385.0	432.3
750	273.9	317.2	349.7	330.4	352.5	355.0	387.5
700	258.6	285.0	294.3	309.4	331.4	327.5	317.5
650	243.3	245.5	254.8	268.4	288.2	246.8	283.6
600	185.0	205.8	223.4	267.5	243.4	248.4	258.0
550	125.0	165.9	187.9	230.5	189.2	206.2	217.6
500	97.9	124.4	149.2	152.8	166.7	170.2	194.8
450	90.0	94.8	118.3	131.8	154.1	156.2	190.3
400	92.1	90.9	104.0	127.6	155.5	148.4	171.2
350	135.9	104.0	101.2	126.4	156.6	143.4	139.1
300		233.0	126.3	118.8	172.9	154.0	106.4
LONG	-80.32	-79.56	-78.44	-78.21	-77.36	-76.17	-74.10
LAT	-35.34	-39.26	-44.16	-45.10	-48.06	-51.66	-56.46
QUAL	33	33	33	32	32	33	33

Table III. — Continued

PASS 1261 AT SULANT, 621230								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	162105	162140	162233	162309	162344	162455	162531	162604
1000	0.110	0.097	0.082	0.086	0.074	0.083	0.088	0.087
950	0.121	0.107	0.096	0.097	0.084	0.097	0.102	0.102
900	0.133	0.119	0.110	0.109	0.098	0.113	0.119	0.119
850	0.147	0.135	0.125	0.123	0.114	0.131	0.137	0.137
800	0.163	0.155	0.143	0.140	0.132	0.150	0.159	0.160
750	0.168	0.180	0.164	0.160	0.154	0.170	0.184	0.187
700	0.219	0.209	0.190	0.183	0.182	0.202	0.217	0.221
650	0.257	0.243	0.226	0.217	0.215	0.243	0.256	0.262
600	0.313	0.284	0.271	0.269	0.255	0.298	0.315	0.322
550	0.400	0.366	0.346	0.333	0.327	0.366	0.389	0.397
500	0.511	0.479	0.445	0.429	0.416	0.450	0.495	0.509
450	0.660	0.635	0.592	0.581	0.556	0.606	0.660	0.672
400	0.919	0.850	0.791	0.799	0.754	0.820	0.892	0.910
350	1.315	1.170	1.107	1.112	1.053	1.142	1.228	1.284
300	2.071	1.690	1.671	1.692	1.608	1.681	1.798	1.898
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	524.6	468.1	350.7	421.6	345.8	335.7	328.0	320.3
900	498.3	420.9	364.0	411.0	338.7	336.9	333.6	324.1
850	468.7	386.8	369.1	392.0	330.1	339.2	333.4	324.7
800	438.2	352.8	370.3	369.9	320.9	335.9	329.2	321.7
750	339.9	334.5	348.2	345.7	307.3	332.7	323.0	318.6
700	304.4	316.8	300.3	321.6	292.0	296.7	295.6	291.3
650	276.5	299.2	273.9	293.9	276.8	258.7	268.4	263.4
600	249.2	277.6	247.4	262.6	260.0	243.8	247.4	244.4
550	222.4	214.6	220.2	231.2	229.6	229.6	226.3	225.4
500	196.2	183.3	192.9	181.7	199.2	214.3	203.7	203.9
450	177.9	179.0	179.3	164.2	177.6	185.3	178.8	180.6
400	156.0	167.1	163.7	159.3	159.1	160.6	163.5	158.5
350	128.2	147.8	136.6	137.3	136.6	141.9	146.7	137.6
300	99.9	149.4	126.6	121.1	113.0	125.6	108.9	131.9
LONG	-73.12	-71.99	-69.99	-68.42	-66.59	-61.97	-58.73	-55.50
LAT	-58.39	-60.25	-63.05	-64.93	-66.73	-70.30	-72.02	-73.56
QUAL	33	32	33	33	33	33	33	32

Table III.—Continued

PASS 1261 AT SOLANT, 621230		
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)		
HEIGHT	TIME (UT)	
	162642	162718
1000	0.102	0.103
950	0.118	0.119
900	0.134	0.138
850	0.152	0.161
800	0.178	0.187
750	0.209	0.217
700	0.243	0.255
650	0.285	0.299
600	0.352	0.366
550	0.456	0.455
500	0.571	0.592
450	0.749	0.784
400	1.008	1.065
350	1.425	1.480
300	2.127	2.108
HEIGHT	SCALE HEIGHT, KM	
	162642	162718
950	369.8	331.6
900	362.7	331.5
850	355.7	330.0
800	332.9	326.5
750	312.0	318.5
700	297.4	300.6
650	277.2	282.5
600	247.7	245.5
550	218.2	214.1
500	197.8	193.6
450	178.0	175.0
400	158.7	159.6
350	134.8	147.4
300	143.3	144.1
LONG	-50.52	-44.80
LAT	-75.24	-75.70
QUAL	32	32

Table III.—Continued

PASS 1268 AT OTTAWA, 621231					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	33810	33945	34015	34051	34726
1000	0.150	0.081	0.012	0.039	0.006
950	0.159	0.090	0.016	0.046	0.010
900	0.168	0.096	0.020	0.054	0.013
850	0.176	0.102	0.025	0.064	0.018
800	0.189	0.109	0.032	0.078	0.023
750	0.203	0.120	0.042	0.098	0.030
700	0.221	0.134	0.053	0.123	0.039
650	0.245	0.149	0.067	0.154	0.048
600	0.278	0.169	0.086	0.194	0.061
550	0.329	0.197	0.119	0.246	0.083
500	0.451	0.253	0.171	0.313	0.114
450	0.622	0.374	0.246	0.416	0.159
400	0.963	0.548	0.369	0.545	0.234
350	1.425		0.548	0.713	0.358
300			0.732	0.959	0.534
HEIGHT	SCALE HEIGHT, KM				
	988.1	658.4	202.9	325.0	
950	988.1	658.4	202.9	325.0	
900	887.1	754.8	230.5	293.3	
850	828.2	773.1	215.6	267.4	
800	742.3	643.4	214.7	246.6	
750	647.7	567.8	214.7	241.2	
700	540.8	500.9	218.3	235.7	
650	451.1	410.7	200.9	230.3	219.8
600	371.8	349.7	179.6	220.3	175.4
550	257.0	283.9	151.1	206.7	168.1
500	153.4	192.7	141.2	196.4	160.8
450	126.3	119.2	138.1	194.9	149.3
400	115.6	139.1	125.2	193.5	127.6
350	173.5		150.5	187.8	118.8
300			209.3	126.8	127.3
LONG	-73.00	-73.01	-66.94	-65.98	-64.89
LAT	28.99	33.98	55.63	57.59	59.48
QUAL	23	33	31	33	33

Table III.—Continued

PASS 1274 AT RESLUT, 621231								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	142924	143000	143049	143110	143128	143146	143203	143221
1000	0.004	0.021	0.008	0.014	0.013	0.013	0.013	0.008
950	0.008	0.025	0.012	0.017	0.017	0.018	0.016	0.013
900	0.010	0.026	0.015	0.021	0.022	0.022	0.020	0.017
850	0.014	0.030	0.018	0.027	0.028	0.027	0.024	0.020
800	0.018	0.037	0.022	0.035	0.034	0.033	0.029	0.026
750	0.025	0.048	0.030	0.046	0.043	0.042	0.037	0.035
700	0.036	0.063	0.040	0.060	0.056	0.055	0.047	0.048
650	0.051	0.085	0.054	0.083	0.075	0.080	0.064	0.064
600	0.076	0.117	0.076	0.114	0.104	0.115	0.089	0.083
550	0.115	0.169	0.107	0.154	0.146	0.160	0.122	0.114
500	0.177	0.258	0.158	0.226	0.213	0.234	0.182	0.174
450	0.262	0.406	0.246	0.354	0.329	0.347	0.285	0.275
400	0.433	0.624	0.407	0.548	0.518	0.546	0.454	0.438
350	0.639	0.910	0.663	0.810	0.762	0.801	0.679	0.679
300	0.916		0.984	1.114		1.124	1.004	1.027
HEIGHT	SCALE HEIGHT, KM							
900	177.1	641.2	265.5	200.7	204.5	234.8	245.2	250.2
850	177.5	289.3	240.1	199.4	209.5	233.1	249.4	238.9
800	161.0	211.7	210.3	198.1	214.5	223.1	229.1	205.2
750	152.4	195.8	172.3	182.4	205.0	191.0	211.1	178.4
700	144.6	175.8	163.4	168.3	185.6	162.8	193.0	165.9
650	133.9	156.9	159.3	164.6	169.7	158.8	177.0	164.5
600	126.9	148.8	151.8	161.0	156.7	154.8	162.9	163.1
550	120.4	131.5	142.9	153.6	143.2	150.9	148.8	151.9
500	113.7	117.1	123.8	124.9	128.9	135.8	125.1	121.3
450	112.9	110.9	108.3	112.4	113.6	119.4	112.3	111.7
400	121.9	126.0	97.8	121.7	118.7	121.3	116.8	108.7
350	134.6	146.2	116.2	143.2	137.7	139.6	127.2	118.7
300	142.2		140.7	175.6		156.3	127.8	125.8
LONG	-147.13	-135.21	-121.84	-116.86	-113.30	-109.73	-106.54	-104.05
LAT	80.52	80.05	78.83	78.19	77.53	76.87	76.23	75.44
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 1274 AT RESLUT, 621231								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	143239	143257	143314	143332	143350	143408	143501	143554
1000	0.017	0.017	0.022	0.020	0.023	0.030	0.033	0.033
950	0.020	0.020	0.025	0.023	0.026	0.033	0.037	0.037
900	0.025	0.026	0.030	0.027	0.030	0.039	0.043	0.042
850	0.033	0.033	0.036	0.030	0.034	0.046	0.051	0.049
800	0.045	0.043	0.044	0.034	0.040	0.056	0.062	0.058
750	0.058	0.054	0.055	0.044	0.049	0.070	0.075	0.068
700	0.073	0.071	0.069	0.058	0.062	0.089	0.092	0.082
650	0.098	0.097	0.093	0.076	0.082	0.117	0.114	0.098
600	0.134	0.139	0.124	0.098	0.108	0.154	0.150	0.116
550	0.167	0.198	0.170	0.143	0.156	0.219	0.200	0.149
500	0.264	0.306	0.248	0.214	0.226	0.313	0.283	0.197
450	0.456	0.477	0.383	0.334	0.356	0.481	0.424	0.274
400	0.646	0.718	0.611	0.566	0.590	0.719	0.644	0.382
350	0.945	1.037	0.922	0.889	0.896	1.044	0.925	0.549
300	1.360	1.425	1.337	1.303	1.305	1.449		0.747
HEIGHT	SCALE HEIGHT, KM							
	272.1	243.6	262.1	331.0	411.3	371.6	386.3	376.8
950	272.1	243.6	262.1	331.0	411.3	371.6	386.3	376.8
900	213.0	216.9	206.9	367.6	363.7	296.6	307.2	346.6
850	211.8	206.8	259.3	331.4	325.5	274.5	282.1	322.5
800	210.6	201.2	248.0	293.9	284.7	252.4	270.1	309.9
750	202.8	196.9	219.1	240.4	240.6	221.8	258.3	297.3
700	187.1	173.2	189.8	190.0	206.7	196.5	236.1	281.8
650	174.1	150.8	180.0	177.9	186.8	183.1	205.6	264.7
600	161.2	142.9	170.1	165.8	167.0	169.6	184.0	242.0
550	146.3	133.9	156.2	140.8	146.1	151.0	162.5	203.3
500	124.2	117.9	133.9	118.5	125.3	131.1	141.3	176.9
450	120.5	117.6	104.3	106.9	105.8	119.6	125.0	163.2
400	130.6	127.8	115.1	102.8	109.9	129.9	128.1	151.3
350	132.0	150.0	124.3	121.6	126.1	141.8	151.2	151.4
300	136.3	192.9	163.0	156.6	160.7	169.1		176.8
LONG	-101.56	-99.67	-97.28	-95.51	-93.74	-92.19	-88.40	-85.52
LAT	74.66	73.87	73.07	72.21	71.36	70.48	67.81	65.06
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 1274 AT RESLUT, 621231	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	143612
1000	0.033
950	0.039
900	0.045
850	0.051
800	0.059
750	0.068
700	0.078
650	0.093
600	0.114
550	0.145
500	0.187
450	0.262
400	0.378
350	0.559
300	0.777
HEIGHT	SCALE HEIGHT, KM
950	357.8
900	353.0
850	354.3
800	353.7
750	351.1
700	315.6
650	262.1
600	233.2
550	204.0
500	175.5
450	154.2
400	133.1
350	140.9
300	172.0
LONG	-84.68
LAT	64.11
QUAL	33

Table III.—Continued

PASS 1274 AT AGASTA, 621231						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	150217	150231	150310	150346	150421	150514
1000	0.265	0.296	0.287	0.285	0.294	0.279
950	0.261	0.314	0.312	0.312	0.320	0.299
900	0.304	0.338	0.339	0.338	0.354	0.325
850	0.339	0.374	0.373	0.374	0.402	0.359
800	0.378	0.416	0.420	0.423	0.457	0.418
750	0.434	0.476	0.491	0.484	0.525	0.497
700	0.508	0.567	0.588	0.568	0.629	0.589
650	0.628	0.691	0.710	0.731	0.786	0.736
600	0.768	0.889	0.858	0.990	0.997	0.981
550	1.012	1.152	1.149	1.314	1.351	1.343
500	1.506	1.605	1.703	1.816	1.931	1.910
450	2.255	2.489	2.659	2.898	3.139	2.990
400	3.892	4.063	4.324	4.637	5.049	4.911
350	5.875	6.003	6.300	6.670	7.252	7.399
300						
HEIGHT	SCALE HEIGHT, KM					
	731.2	761.2	588.5	596.3	537.3	619.6
950	731.2	761.2	588.5	596.3	537.3	619.6
900	564.4	583.1	572.0	550.9	445.4	531.2
850	467.6	476.0	480.3	447.2	393.3	442.7
800	392.2	423.1	356.6	409.4	383.3	358.0
750	332.2	319.7	281.5	347.9	306.3	293.5
700	279.2	269.8	263.7	245.8	242.3	262.4
650	252.5	230.5	245.8	208.5	221.0	195.3
600	227.9	205.8	228.0	180.3	199.7	177.2
550	154.7	181.8	173.2	161.9	165.9	156.4
500	126.0	139.8	119.9	138.7	125.4	129.3
450	108.4	108.6	107.5	109.0	103.8	108.2
400	105.3	115.4	113.6	115.7	116.6	105.4
350	164.7	232.9	174.6	252.1	208.9	153.1
300						
LONG	-66.93	-66.83	-66.54	-66.27	-65.98	-65.53
LAT	-23.25	-24.04	-26.22	-28.22	-30.17	-33.12
QUAL	22	22	22	22	22	23

Table III.—Continued

PASS 1274 AT AGASTA, 621231						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	150625	150701	150746	150830	150847	150941
1000	0.258	0.222	0.229	0.205	0.187	0.190
950	0.274	0.236	0.243	0.221	0.200	0.206
900	0.294	0.257	0.261	0.240	0.217	0.223
850	0.321	0.280	0.283	0.262	0.236	0.243
800	0.358	0.308	0.310	0.289	0.269	0.271
750	0.421	0.339	0.341	0.332	0.314	0.305
700	0.501	0.412	0.376	0.385	0.370	0.349
650	0.597	0.565	0.479	0.456	0.442	0.409
600	0.839	0.761	0.664	0.555	0.532	0.481
550	1.160	1.001	0.883	0.674	0.638	0.575
500	1.588	1.295	1.144	0.944	0.835	0.819
450	2.601	2.149	1.742	1.332	1.178	1.129
400	4.356	3.573	2.856	1.868	1.672	1.528
350	6.912	6.251	5.013	2.859	2.520	2.183
300	9.524	9.375	8.092	4.764	4.065	3.170
HEIGHT	SCALE HEIGHT, KM					
	775.0	755.5	715.4	624.1	643.7	641.5
950	775.0	755.5	715.4	624.1	643.7	641.5
900	645.1	575.4	615.2	562.5	556.3	577.3
850	541.5	516.2	560.1	506.3	468.9	514.5
800	359.2	457.0	504.9	449.8	417.8	460.4
750	296.7	397.8	449.8	392.2	369.6	406.2
700	260.5	326.7	394.6	334.7	321.5	356.7
650	224.3	239.7	305.2	286.5	288.4	316.4
600	150.8	172.9	191.9	248.7	264.0	276.1
550	144.9	162.5	166.8	210.9	239.6	235.2
500	135.7	150.8	159.8	177.0	154.1	188.0
450	98.4	102.2	112.2	147.3	146.4	162.5
400	104.2	91.6	93.1	135.3	134.7	153.1
350	119.8	103.2	89.3	110.5	112.2	135.9
300	250.9	169.8	154.8	97.8	110.1	163.6
LONG	-64.83	-64.45	-63.91	-63.32	-63.09	-62.25
LAT	-37.06	-39.06	-41.54	-43.95	-44.89	-47.84
QUAL	23	23	22	22	22	22

Table III. —Continued

PASS 1274 AT SOLANT, 621231							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	150404	150439	150550	150700	150737	150812	150848
1000	0.162	0.257	0.232	0.219	0.219	0.172	0.171
950	0.189	0.278	0.256	0.233	0.236	0.192	0.186
900	0.219	0.307	0.283	0.250	0.255	0.212	0.202
850	0.254	0.342	0.315	0.278	0.282	0.235	0.225
800	0.299	0.398	0.357	0.321	0.317	0.262	0.255
750	0.352	0.477	0.418	0.360	0.360	0.298	0.291
700	0.425	0.576	0.506	0.430	0.412	0.347	0.335
650	0.521	0.722	0.624	0.539	0.496	0.409	0.386
600	0.670	0.908	0.808	0.693	0.618	0.510	0.479
550	0.909	1.264	1.135	0.952	0.814	0.660	0.613
500	1.439	1.873	1.761	1.430	1.173	0.883	0.816
450	2.442	3.039	2.866	2.377	1.793	1.308	1.140
400	4.318	4.960	4.892	4.093	3.104	2.114	1.732
350	6.429	7.386	7.811	6.850	5.265	3.647	2.773
300				9.964	8.162	5.954	4.356
HEIGHT	SCALE HEIGHT, KM						
950	331.5	538.5	487.8	689.1	640.2	480.3	582.1
900	325.4	471.6	464.6	590.3	545.6	481.2	508.0
850	316.1	404.6	422.6	479.1	497.4	455.0	458.2
800	305.1	350.3	354.4	381.8	449.2	412.1	408.3
750	289.6	303.5	304.2	337.1	389.5	368.4	370.0
700	262.2	256.7	265.9	287.5	318.2	324.0	335.8
650	222.3	223.2	226.4	236.7	263.5	278.5	301.6
600	180.7	189.9	183.0	187.1	211.5	223.9	238.9
550	146.7	142.7	130.7	141.9	164.4	184.7	192.5
500	100.7	118.5	111.7	110.5	129.4	157.1	169.0
450	87.5	98.3	92.8	97.1	102.3	118.0	138.0
400	99.5	109.6	101.0	92.6	92.6	96.9	110.8
350	171.8	172.6	137.3	117.5	97.6	94.6	111.5
300				197.0	169.8	110.6	117.4
LONG	-66.13	-65.83	-65.18	-64.46	-64.02	-63.57	-63.08
LAT	-29.22	-31.17	-35.11	-39.00	-41.04	-42.97	-44.94
QUAL	33	33	32	23	32	33	33

Table III.—Continued

PASS 1274 AT SOLANT, 621231							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	150941	151052	151128	151200	151236	151311	151347
1000	0.173	0.180	0.220	0.164	0.135	0.141	0.151
950	0.191	0.195	0.241	0.179	0.151	0.156	0.169
900	0.207	0.213	0.270	0.197	0.172	0.174	0.197
850	0.226	0.237	0.302	0.216	0.198	0.195	0.210
800	0.247	0.267	0.338	0.240	0.234	0.218	0.240
750	0.275	0.302	0.380	0.267	0.275	0.246	0.277
700	0.321	0.345	0.429	0.310	0.321	0.283	0.320
650	0.380	0.407	0.495	0.364	0.381	0.335	0.382
600	0.453	0.501	0.584	0.442	0.466	0.417	0.460
550	0.539	0.648	0.702	0.576	0.596	0.553	0.583
500	0.753	0.865	0.913	0.804	0.771	0.732	0.777
450	1.052	1.143	1.283	1.110	1.046	0.976	1.033
400	1.464	1.497	1.725	1.457	1.438	1.329	1.376
350	2.150	1.974	2.255	1.961	2.022	1.867	1.878
300	3.138	2.702	2.940	2.710	2.785	2.643	2.728
HEIGHT	SCALE HEIGHT, KM						
	150941	151052	151128	151200	151236	151311	151347
950	566.8	603.9	512.5	559.0	404.9	452.5	464.0
900	563.5	518.9	461.9	539.2	368.2	451.0	443.9
850	522.7	451.4	450.2	483.0	339.6	440.6	403.3
800	481.8	418.8	429.2	448.7	323.5	418.7	364.2
750	426.2	394.7	403.2	414.3	318.6	383.8	339.0
700	336.0	337.9	376.7	352.4	302.3	333.5	315.3
650	283.4	273.9	337.2	287.9	264.4	268.0	283.9
600	255.3	218.2	292.7	225.8	222.7	207.2	250.3
550	227.2	189.1	243.1	175.9	203.1	180.7	192.2
500	171.2	170.9	156.9	152.9	185.7	174.8	177.5
450	149.2	182.1	158.7	164.1	170.9	167.9	173.6
400	140.9	180.3	177.9	172.0	157.2	158.0	165.8
350	132.5	179.8	187.7	163.5	156.3	147.6	149.0
300	154.4	205.5	188.9	169.3	126.9	150.2	153.6
LONG	-62.25	-60.97	-60.19	-59.48	-58.50	-57.48	-56.28
LAT	-47.84	-51.71	-53.66	-55.39	-57.32	-59.19	-61.11
QUAL	33	31	32	22	32	32	32

Table III. —Continued

PASS 1274 AT SULANT, 621231								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	151422	151443	151533	151609	151644	151720	151753	151819
1000	0.110	0.108	0.093	0.111	0.101	0.100	0.095	0.081
950	0.124	0.122	0.107	0.126	0.115	0.113	0.109	0.095
900	0.143	0.138	0.123	0.140	0.131	0.128	0.126	0.111
850	0.166	0.160	0.140	0.157	0.149	0.144	0.146	0.131
800	0.194	0.187	0.163	0.179	0.170	0.163	0.170	0.155
750	0.225	0.221	0.190	0.209	0.196	0.186	0.199	0.185
700	0.264	0.259	0.226	0.246	0.230	0.216	0.235	0.222
650	0.317	0.311	0.269	0.293	0.274	0.255	0.280	0.268
600	0.390	0.389	0.327	0.359	0.338	0.317	0.340	0.330
550	0.495	0.498	0.418	0.442	0.425	0.412	0.419	0.414
500	0.658	0.664	0.551	0.567	0.557	0.548	0.521	0.531
450	0.876	0.878	0.732	0.766	0.744	0.739	0.674	0.683
400	1.150	1.193	0.989	1.017	1.006	0.990	0.870	0.897
350	1.506	1.615	1.352	1.377	1.366	1.362	1.154	1.190
300	2.073	2.218	1.864	1.846	1.829	1.846	1.540	1.568
HEIGHT	SCALE HEIGHT, KM							
	380.0	394.8	358.2	445.2	387.8	402.2	348.8	308.1
950	380.0	394.8	358.2	445.2	387.8	402.2	348.8	308.1
900	343.8	358.6	361.4	442.7	391.3	408.3	343.4	309.1
850	334.9	335.6	349.7	403.3	385.3	401.7	332.0	302.0
800	327.4	325.9	330.6	363.0	351.0	379.5	320.9	293.2
750	321.9	314.7	312.8	322.4	327.2	351.6	310.1	278.6
700	288.8	298.9	296.7	291.9	311.1	321.7	293.9	265.1
650	256.2	240.0	281.6	263.5	254.7	272.9	272.7	250.7
600	229.7	216.6	226.8	242.6	229.2	213.1	249.3	230.2
550	204.3	196.4	195.4	221.7	209.1	190.5	229.9	215.0
500	180.2	186.7	178.6	204.4	185.5	165.8	212.3	205.7
450	181.6	177.1	173.3	191.1	171.8	167.8	201.4	195.4
400	183.5	170.5	166.1	177.9	168.6	169.5	190.5	182.3
350	170.2	160.7	158.7	174.3	172.6	168.3	179.5	181.1
300	163.1	179.7	159.1	167.2	191.2	175.2	173.4	183.4
LONG	-54.91	-54.03	-51.52	-49.40	-46.87	-43.75	-40.51	-37.20
LAT	-62.95	-64.05	-66.63	-68.46	-70.20	-71.93	-73.49	-74.64
QUAL	22	22	22	22	32	32	33	32

Table III.—Continued

PASS 1274 AT SULANT, 621231		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	151906	151940
1000	0.103	0.110
950	0.119	0.126
900	0.138	0.147
850	0.160	0.172
800	0.185	0.203
750	0.217	0.241
700	0.257	0.287
650	0.308	0.340
600	0.379	0.426
550	0.467	0.534
500	0.592	0.678
450	0.747	0.858
400	0.950	1.104
350	1.221	1.417
300	1.774	1.834
HEIGHT	SCALE HEIGHT, KM	
950	334.2	337.7
900	336.2	321.8
850	331.7	304.8
800	320.6	295.6
750	304.8	285.1
700	285.3	271.8
650	265.3	258.6
600	243.9	239.6
550	226.2	220.5
500	221.4	213.3
450	216.7	207.7
400	199.6	203.2
350	170.8	200.7
300	190.7	210.8
LONG	-30.36	-23.67
LAT	-76.62	-77.85
QUAL	33	33

Table III.—Continued

PASS 1301 AT RESLUT, 63 1 2								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	140308	140325	140343	140401	140418	140436	140454	140512
1000	0.042	0.048	0.063	0.107	0.157	0.147	0.123	0.147
950	0.052	0.055	0.070	0.118	0.174	0.158	0.135	0.164
900	0.060	0.060	0.079	0.131	0.190	0.167	0.147	0.178
850	0.069	0.068	0.089	0.151	0.208	0.181	0.165	0.194
800	0.081	0.080	0.100	0.173	0.231	0.205	0.188	0.213
750	0.096	0.093	0.114	0.198	0.259	0.231	0.215	0.236
700	0.114	0.108	0.131	0.227	0.292	0.259	0.246	0.268
650	0.135	0.125	0.151	0.270	0.330	0.289	0.289	0.302
600	0.173	0.153	0.173	0.324	0.374	0.321	0.340	0.345
550	0.223	0.186	0.197	0.386	0.429	0.379	0.408	0.403
500	0.291	0.234	0.237	0.461	0.508	0.461	0.498	0.485
450	0.404	0.303	0.290	0.564	0.620	0.579	0.607	0.600
400	0.566	0.401	0.384	0.715	0.819	0.742	0.815	0.795
350	0.768	0.544	0.532	0.945	1.079	0.999	1.233	1.190
300	1.012	0.729	0.733	1.305	1.401	1.349	2.013	
HEIGHT	SCALE HEIGHT, KM							
	334.3	508.5	498.7	512.8	547.0	860.2	590.9	
950	334.3	508.5	498.7	512.8	547.0	860.2	590.9	
900	338.7	441.2	420.7	424.1	535.6	719.6	494.6	580.8
850	318.8	384.5	406.1	377.3	501.1	585.3	428.8	534.6
800	305.9	335.8	391.8	353.8	463.2	466.2	383.8	484.4
750	293.1	324.1	382.8	342.0	429.1	420.5	363.7	448.0
700	280.2	312.3	374.6	328.3	417.3	407.2	343.6	422.9
650	267.3	297.8	362.6	307.8	405.5	393.8	317.5	397.9
600	238.3	269.3	344.4	287.6	381.3	380.5	290.7	364.0
550	207.0	240.8	325.8	277.8	328.3	310.2	265.9	302.8
500	173.3	217.1	272.8	264.1	275.7	238.3	242.8	254.7
450	152.7	196.8	218.7	231.8	223.2	215.9	219.6	217.0
400	158.2	176.1	166.1	200.1	184.4	191.4	153.7	158.4
350	173.5	170.9	161.5	171.3	188.3	169.4	113.2	129.5
300	188.3	188.3	168.0	165.1	196.6	180.1	127.1	
LONG	-89.44	-88.13	-86.75	-85.39	-84.41	-83.38	-82.34	-81.47
LAT	71.10	70.25	69.36	68.46	67.58	66.65	65.72	64.78
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 1301 AT RESLUT, 63 1 2			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	140529	140547	140605
1000	0.036	0.035	0.022
950	0.042	0.042	0.027
900	0.047	0.048	0.033
850	0.055	0.057	0.040
800	0.071	0.069	0.048
750	0.088	0.084	0.060
700	0.103	0.103	0.076
650	0.117	0.125	0.096
600	0.131	0.154	0.119
550	0.167	0.203	0.157
500	0.219	0.272	0.203
450	0.267	0.388	0.289
400	0.369	0.558	0.425
350	0.613	0.797	0.650
300	1.035	1.147	1.066
HEIGHT	SCALE HEIGHT, KM		
	439.0	345.1	241.6
950	439.0	345.1	241.6
900	366.8	310.0	243.9
850	318.4	283.4	239.8
800	284.2	259.9	234.6
750	274.4	253.0	229.1
700	277.2	246.0	223.4
650	280.0	239.1	217.7
600	282.8	226.3	211.3
550	251.7	191.4	191.2
500	212.8	159.2	171.0
450	175.1	139.9	144.9
400	141.2	142.3	125.1
350	106.6	138.8	111.8
300	104.3	153.3	110.1
LONG	-80.71	-79.92	-79.16
LAT	63.88	62.93	61.97
QUAL	33	33	33

Table III. —Continued

PASS 1301 AT OTTAWA, 63 1 2						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	141144	141233	141255	141330	141406	141459
1000	0.058	0.041	0.059	0.065	0.078	0.078
950	0.067	0.049	0.069	0.080	0.089	0.090
900	0.076	0.058	0.078	0.090	0.098	0.099
850	0.067	0.068	0.089	0.101	0.109	0.110
800	0.100	0.080	0.102	0.115	0.121	0.123
750	0.117	0.094	0.118	0.133	0.138	0.141
700	0.138	0.111	0.139	0.154	0.160	0.165
650	0.165	0.133	0.165	0.182	0.189	0.195
600	0.199	0.162	0.200	0.222	0.225	0.232
550	0.245	0.201	0.247	0.274	0.273	0.287
500	0.311	0.259	0.325	0.355	0.347	0.372
450	0.434	0.351	0.432	0.460	0.466	0.507
400	0.607	0.497	0.635	0.640	0.645	0.701
350	0.851	0.771	0.943	0.931	0.901	1.005
300	1.331	1.253	1.508	1.412	1.332	1.538
HEIGHT	SCALE HEIGHT, KM					
900	376.8	311.8	377.2	438.9	480.3	481.6
850	356.9	312.7	370.9	395.3	465.1	443.4
800	340.9	310.6	348.0	372.1	414.1	405.1
750	321.9	306.8	317.6	347.7	366.8	367.3
700	286.0	281.8	304.0	312.2	320.7	329.7
650	278.4	257.1	288.5	270.0	296.9	294.0
600	256.1	248.1	249.2	244.4	276.1	260.5
550	213.8	222.2	200.6	219.3	244.6	222.3
500	175.9	179.8	180.8	199.6	189.7	182.3
450	164.9	163.5	161.0	179.9	162.2	158.4
400	153.9	121.9	141.6	152.9	154.3	150.1
350	139.3	113.4	121.4	127.3	142.8	129.6
300	103.4	95.8	99.0	112.8	115.7	107.1
LONG	-71.38	-70.75	-70.48	-70.09	-69.71	-69.21
LAT	43.39	40.66	39.44	37.48	35.47	32.51
QUAL	23	23	22	23	12	22

Table III. —Continued

PASS 1301 AT QUITOE, 63 1 2								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	142621	142732	142749	142842	142918	142954	143029	143104
1000	0.205	0.279	0.282	0.291	0.283	0.285	0.286	0.294
950	0.282	0.298	0.300	0.311	0.305	0.306	0.309	0.314
900	0.304	0.320	0.324	0.334	0.329	0.332	0.334	0.340
850	0.328	0.346	0.349	0.361	0.356	0.360	0.365	0.370
800	0.359	0.376	0.379	0.391	0.388	0.395	0.401	0.410
750	0.398	0.414	0.416	0.429	0.428	0.441	0.447	0.465
700	0.446	0.460	0.459	0.477	0.475	0.498	0.513	0.539
650	0.522	0.526	0.520	0.545	0.552	0.586	0.610	0.635
600	0.618	0.606	0.612	0.630	0.651	0.696	0.747	0.786
550	0.775		0.793	0.855	0.856	0.945	1.032	1.043
500	1.060		1.100	1.221	1.258	1.373	1.439	1.479
450	1.514		1.620	1.913	2.050	2.272	2.427	2.371
400	2.206		2.566	3.451	3.662	4.153		4.144
350	3.472			6.447	6.703	7.603		6.684
300	5.978							
HEIGHT	SCALE HEIGHT, KM							
	725.0	692.4	718.7	715.3	662.6	679.3	625.9	685.8
950								
900	646.8	653.5	653.2	663.1	625.7	604.5	580.6	602.7
850	588.1	614.5	617.2	626.5	585.2	556.0	541.7	534.8
800	523.3	564.1	573.6	577.7	533.3	499.6	502.8	461.3
750	456.9	492.5	519.7	497.9	474.4	434.4	418.9	384.5
700	392.0	421.2	459.5	420.9	415.6	369.0	317.9	324.9
650	336.0	351.9	371.4	348.3	340.9	302.3	266.6	275.4
600	279.9	282.6	257.3	275.7	264.7	235.7	216.9	222.5
550	202.0		179.3	172.6	178.3	173.3	177.2	165.6
500	153.1		145.6	129.8	118.5	123.0	135.3	130.0
450	138.7		121.4	99.0	94.0	90.6	91.4	97.2
400	124.0		94.0	82.0	79.6	82.1		92.3
350	99.1			80.9	123.9	103.7		136.9
300	99.7							
LONG	-64.96	-64.57	-64.48	-64.18	-63.97	-63.76	-63.53	-63.30
LAT	-5.88	-9.88	-10.84	-13.82	-15.84	-17.86	-19.82	-21.78
QUAL	22	22	23	22	23	23	23	22

Table III. —Continued

PASS 1301 AT QUITOE, 63 1 2			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	143140	143158	
1000	0.287	0.288	
950	0.309	0.311	
900	0.335	0.337	
850	0.365	0.368	
800	0.411	0.412	
750	0.470	0.467	
700	0.548	0.534	
650	0.666	0.648	
600	1.043	0.805	
550	1.714	1.127	
500	1.867	1.620	
450	2.922	2.524	
400	4.625	4.254	
350	6.684		
300			
HEIGHT	SCALE HEIGHT, KM		
	143140	143158	
950	649.2	624.5	
900	568.7	557.0	
850	492.3	492.5	
800	430.4	441.9	
750	368.7	391.3	
700	313.3	340.7	
650	272.2	280.2	
600	130.7	212.1	
550	162.2	143.4	
500	136.2	130.9	
450	113.8	98.7	
400	116.5	107.4	
350	185.7		
300			
LONG	-63.06	-62.93	
LAT	-23.80	-24.61	
QUAL	23	25	

Table III.—Continued

PASS 1301 AT SULANT, 63 1 2								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	143233	143344	143419	143455	143559	143821	143856	143949
1000	0.284	0.312	0.307	0.295	0.282	0.222	0.222	0.211
950	0.306	0.342	0.338	0.321	0.308	0.245	0.243	0.233
900	0.335	0.374	0.372	0.351	0.339	0.272	0.268	0.257
850	0.373	0.413	0.413	0.389	0.382	0.304	0.299	0.287
800	0.416	0.460	0.463	0.445	0.436	0.346	0.339	0.325
750	0.469	0.518	0.528	0.517	0.500	0.402	0.386	0.371
700	0.546	0.603	0.614	0.607	0.566	0.470	0.443	0.427
650	0.665	0.725	0.729	0.714	0.705	0.571	0.530	0.499
600	0.859	0.910	0.909	0.924	0.872	0.720	0.654	0.612
550	1.169	1.196	1.183	1.221	1.164	0.950	0.831	0.783
500	1.718	1.647	1.651	1.703	1.645	1.265	1.102	1.026
450	2.793	2.451	2.579	2.594	2.447	1.731	1.541	1.406
400	4.610	4.275		4.217	3.676	2.427	2.189	1.963
350	6.644	6.530		6.245	5.191	3.370	3.071	2.713
300					6.223	4.282	4.178	3.720
HEIGHT	SCALE HEIGHT, KM							
	598.7	568.8	519.4	555.6	533.3	485.5	527.2	509.6
950	598.7	568.8	519.4	555.6	533.3	485.5	527.2	509.6
900	524.2	532.3	491.7	499.9	467.0	455.2	483.2	470.4
850	458.7	486.3	450.0	440.8	424.7	410.5	434.4	431.6
800	425.4	442.5	407.0	368.0	381.9	351.5	386.3	393.9
750	374.4	373.0	363.7	317.6	334.6	322.8	360.0	367.5
700	294.3	299.8	311.8	288.0	299.4	294.2	329.1	345.2
650	225.4	252.7	259.4	258.4	270.7	249.5	256.7	284.6
600	186.6	205.7	219.9	214.9	200.2	198.9	227.2	224.6
550	146.2	173.1	177.8	171.4	161.8	185.9	196.9	196.0
500	118.4	146.5	135.2	138.2	134.1	171.8	166.3	176.4
450	96.1	98.8	101.1	105.5	123.9	155.3	147.1	155.3
400	111.8	95.4		111.7	126.4	151.1	148.1	151.6
350	261.3	177.0		200.1	197.6	160.6	147.4	154.9
300					556.2	419.7	262.5	183.4
LONG	-62.67	-62.10	-61.80	-61.47	-60.81	-58.97	-58.43	-57.49
LAT	-26.76	-30.72	-32.66	-34.66	-38.20	-46.02	-47.93	-50.82
QUAL	22	32	33	31	32	31	32	21

Table III.—Continued

PASS 1301 AT SULANT, 63 1 2					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	144021	144100	144246	144345	144415
1000	0.196	0.186	0.153	0.124	0.121
950	0.208	0.201	0.162	0.138	0.133
900	0.236	0.221	0.178	0.153	0.148
850	0.270	0.245	0.201	0.171	0.167
800	0.298	0.273	0.232	0.193	0.190
750	0.326	0.312	0.267	0.220	0.218
700	0.390	0.363	0.306	0.253	0.252
650	0.469	0.431	0.362	0.301	0.298
600	0.565	0.531	0.443	0.360	0.359
550	0.707	0.679	0.561	0.446	0.447
500	0.917	0.903	0.745	0.575	0.570
450	1.248	1.223	0.999	0.753	0.744
400	1.728		1.331	0.991	0.981
350	2.361		1.798	1.388	1.355
300	3.347		2.507	2.064	1.942
HEIGHT	SCALE HEIGHT, KM				
950	621.1	574.0	774.1	459.2	485.7
900	476.8	507.4	531.7	457.4	446.7
850	418.6	467.6	459.3	431.5	412.1
800	407.2	426.2	386.9	400.1	380.0
750	394.4	360.5	351.3	359.7	351.5
700	315.6	310.9	322.6	323.7	321.5
650	269.7	272.1	286.4	297.6	289.1
600	245.0	228.9	244.2	271.6	256.7
550	208.1	195.0	195.1	218.9	224.2
500	176.7	176.5	178.8	191.7	192.9
450	164.4	157.9	176.1	182.7	187.4
400	156.1		169.6	167.9	171.8
350	151.6		156.6	142.5	139.9
300	148.4		176.3	105.7	136.4
LONG	-56.84	-56.00	-52.97	-50.72	-49.35
LAT	-52.56	-54.67	-60.35	-63.46	-65.02
QUAL	32	33	32	12	13

Table III.—Continued

PASS 1309 AT RESLUT, 63 1 3				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	40154	40250	40325	40343
1000	0.011	0.044	0.035	0.051
950	0.013	0.050	0.042	0.060
900	0.015	0.058	0.051	0.069
850	0.018	0.068	0.061	0.080
800	0.023	0.079	0.074	0.094
750	0.029	0.092	0.088	0.112
700	0.038	0.111	0.105	0.134
650	0.052	0.135	0.127	0.162
600	0.076	0.169	0.156	0.195
550	0.110	0.214	0.190	0.251
500	0.171	0.282	0.240	0.325
450	0.285	0.392	0.306	0.427
400	0.479	0.558	0.390	0.599
350	0.770	0.776	0.571	0.840
300	1.193	1.005	0.845	1.128
HEIGHT	SCALE HEIGHT, KM			
	283.5	358.7	262.0	327.7
950	283.5	358.7	262.0	327.7
900	260.8	333.8	261.1	339.9
850	246.2	319.1	265.6	320.3
800	225.7	307.6	268.0	306.0
750	199.8	296.1	267.6	294.1
700	174.3	271.6	267.3	282.1
650	149.0	243.1	259.4	256.4
600	138.2	219.8	246.9	229.6
550	129.1	199.4	234.4	212.2
500	110.3	175.8	216.5	195.3
450	101.1	148.9	196.6	175.6
400	102.4	148.2	176.1	148.6
350	110.7	173.7	147.7	162.3
300	130.8	219.1	138.2	184.4
LONG	-13.79	4.84	15.79	21.25
LAT	80.22	80.37	79.93	79.60
QUAL	23	23	23	33

Table III. —Continued

PASS 1321 AT SOLANT, 63 1 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	21012	21047	21123	21158	21234	21309	21327	21420
1000	0.223	0.224	0.240	0.266	0.280	0.235	0.245	0.239
950	0.256	0.258	0.266	0.293	0.295	0.256	0.267	0.258
900	0.295	0.296	0.299	0.325	0.317	0.279	0.293	0.282
850	0.345	0.343	0.338	0.363	0.343	0.309	0.325	0.316
800	0.410	0.407	0.392	0.425	0.413	0.363	0.372	0.363
750	0.489	0.485	0.473	0.504	0.514	0.438	0.429	0.432
700	0.567	0.601	0.579	0.611	0.610	0.533	0.500	0.529
650	0.730	0.748	0.726	0.753	0.712	0.647	0.604	0.699
600	0.926	0.949	0.916	0.955	0.818	0.811	0.766	0.932
550	1.221	1.236	1.216	1.269	1.161	1.101	1.029	1.277
500	1.743	1.756	1.764	1.744	1.697	1.620	1.513	1.854
450	2.770	2.785	2.898	2.518	2.671	2.439	2.348	2.762
400	4.202	4.042	4.360	3.859	4.024	3.850	3.724	4.090
350	5.972	5.789		5.509			5.445	
300								
HEIGHT	SCALE HEIGHT, KM							
	351.4	354.5	452.0	509.0	755.1	570.4	545.4	585.8
950	351.4	354.5	452.0	509.0	755.1	570.4	545.4	585.8
900	329.9	336.3	407.9	444.2	619.4	493.0	484.8	498.4
850	312.3	315.4	363.2	382.7	483.7	386.5	429.0	408.4
800	297.8	290.9	319.6	337.9	376.2	344.9	395.3	336.0
750	277.8	266.5	277.0	293.0	274.9	305.2	361.5	281.9
700	250.0	246.4	241.7	259.6	265.2	267.4	295.7	229.8
650	226.5	227.0	224.4	232.8	255.4	236.4	241.8	183.8
600	198.6	202.4	202.0	200.3	245.7	199.8	205.0	169.8
550	164.1	170.2	159.3	167.9	137.5	153.8	158.1	144.1
500	124.2	122.9	116.8	150.0	121.5	125.3	123.8	129.0
450	112.2	121.8	109.4	127.9	115.7	115.8	111.1	129.5
400	131.8	136.4	134.1	118.9	128.5	119.6	111.4	141.9
350	189.0	160.0		204.1			233.0	
300								
LCNG	-81.49	-80.42	-79.46	-78.59	-77.84	-77.14	-76.83	-75.96
LAT	-59.70	-57.83	-55.90	-54.01	-52.06	-50.16	-49.17	-46.27
QUAL	33	33	33	33	33	23	32	32

Table III. —Continued

PASS 1321 AT SOLANT, 63 1 4		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	21456	21530
1000	0.224	0.226
950	0.245	0.247
900	0.269	0.271
850	0.304	0.305
800	0.348	0.352
750	0.416	0.423
700	0.512	0.533
650	0.648	0.735
600	0.882	1.048
550	1.273	1.491
500	1.971	2.181
450	3.098	3.293
400	4.509	
350		
300		
HEIGHT	SCALE HEIGHT, KM	
950	531.6	551.8
900	455.9	462.2
850	400.2	391.8
800	344.5	327.9
750	281.8	261.4
700	226.5	189.8
650	190.2	145.0
600	156.6	143.5
550	125.1	139.1
500	112.4	123.9
450	114.0	126.8
400	192.7	
350		
300		
LONG	-75.42	-74.97
LAT	-44.30	-42.43
QUAL	32	33

Table III.—Continued

PASS 1322 AT RESLUT, 63 1 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	24956	25014	25049	25107	25125	25142	25218	25235
1000	0.013	0.025	0.004	0.019	0.016	0.022	0.053	0.019
950	0.018	0.031	0.009	0.024	0.023	0.027	0.065	0.024
900	0.023	0.037	0.012	0.029	0.029	0.033	0.076	0.029
850	0.028	0.045	0.015	0.038	0.037	0.040	0.087	0.035
800	0.033	0.053	0.021	0.046	0.047	0.049	0.102	0.042
750	0.041	0.062	0.030	0.055	0.059	0.060	0.121	0.050
700	0.050	0.072	0.042	0.073	0.075	0.074	0.145	0.061
650	0.061	0.086	0.056	0.096	0.101	0.097	0.174	0.078
600	0.082	0.106	0.088	0.126	0.135	0.127	0.207	0.099
550	0.114	0.131	0.128	0.177	0.178	0.164	0.254	0.125
500	0.171	0.166	0.177	0.254	0.252	0.234	0.309	0.176
450	0.258	0.220	0.279	0.398	0.365	0.341	0.368	0.255
400	0.397	0.332	0.445	0.565	0.542	0.504	0.441	0.385
350	0.591	0.581	0.697	0.786	0.776	0.737	0.523	0.563
300	0.875	0.952	1.064					0.777
HEIGHT	SCALE HEIGHT, KM							
900	231.6	269.3	157.7	253.1	198.9	252.0	332.6	261.6
850	245.0	288.6	163.5	231.7	209.1	251.2	321.7	261.8
800	252.3	298.7	160.8	229.7	213.4	242.3	304.7	253.9
750	241.1	291.4	157.6	224.8	201.4	227.6	286.8	245.6
700	227.7	284.1	154.4	208.5	185.7	212.9	280.5	236.6
650	214.4	270.4	151.3	192.1	179.0	201.0	275.5	221.0
600	182.0	250.9	145.5	175.1	173.3	189.2	271.3	205.4
550	143.2	231.3	139.7	152.0	167.5	177.3	276.1	189.8
500	130.7	202.2	133.9	132.0	154.0	147.7	280.9	157.2
450	120.5	156.6	118.6	127.0	135.0	131.0	279.8	130.4
400	118.7	113.1	109.4	141.0	137.6	130.4	298.3	128.0
350	126.9	93.4	115.8	152.4	150.1	132.4	466.8	145.4
300	121.7	123.1	123.8					185.7
LONG	-43.50	-41.53	-37.45	-35.01	-32.03	-29.22	-22.01	-18.01
LAT	72.15	72.99	74.60	75.38	76.11	76.80	78.10	78.63
QUAL	23	33	23	23	33	33	31	32

Table III.—Continued

PASS 1322 AT RESLUT, 63 1 4								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	25253	25311	25328	25350	25404	25422	25439	25532
1000	0.021	0.032	0.038	0.036	0.057	0.058	0.053	0.061
950	0.025	0.037	0.045	0.040	0.063	0.064	0.060	0.066
900	0.029	0.044	0.053	0.044	0.070	0.070	0.069	0.074
850	0.033	0.051	0.062	0.050	0.077	0.078	0.081	0.087
800	0.038	0.060	0.074	0.058	0.086	0.088	0.098	0.102
750	0.046	0.071	0.088	0.069	0.098	0.104	0.121	0.117
700	0.058	0.088	0.107	0.088	0.115	0.124	0.152	0.134
650	0.077	0.114	0.134	0.113	0.137	0.149	0.190	0.160
600	0.106	0.147	0.175	0.151	0.164	0.182	0.238	0.191
550	0.147	0.199	0.228	0.199	0.206	0.225	0.295	0.233
500	0.215	0.269	0.318	0.271	0.276	0.303	0.345	0.285
450	0.328	0.379	0.445	0.377	0.373	0.412		0.346
400	0.467	0.528	0.615	0.518	0.504	0.569		0.488
350	0.683	0.715	0.813	0.696	0.657	0.764		0.728
300	0.941	0.934	1.035	0.903	0.832	0.960		1.191
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	368.2	315.0	321.4	495.9		607.3	361.3	513.7
900	390.7	321.6	313.8	404.1	536.9	503.2	328.9	395.1
850	355.6	314.0	299.8	362.8	472.0	412.8	291.4	348.0
800	306.3	286.3	286.6	321.6	415.8	347.9	251.9	328.2
750	256.0	258.6	269.7	278.3	360.4	324.3	235.3	326.3
700	213.8	234.4	235.1	227.1	318.2	300.7	235.8	323.0
650	175.6	213.3	209.2	188.2	286.7	275.3	236.3	297.3
600	158.2	192.1	194.2	182.6	255.3	240.1	231.3	271.6
550	147.5	174.6	179.1	177.0	222.1	206.8	270.6	249.0
500	132.1	158.4	160.8	164.0	186.9	183.8	394.7	227.9
450	122.9	150.2	155.9	155.4	169.6	163.0		206.7
400	135.7	161.7	170.9	164.8	179.4	166.6		160.7
350	153.7	177.5	195.9	182.5	200.8	198.5		116.4
300	184.7	195.9	226.0	205.9	223.6	242.3		98.8
LONG	-13.79	-8.76	-3.53	3.24	7.67	13.72	19.44	35.86
LAT	79.20	79.60	79.89	80.25	80.41	80.37	80.33	79.61
QUAL	33	33	33	33	33	33	31	23

Table III.—Continued

PASS 1322 AT RESLUT, 63 1 4	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	25550
1000	0.070
950	0.084
900	0.099
850	0.117
800	0.137
750	0.159
700	0.187
650	0.221
600	0.268
550	0.339
500	0.446
450	0.620
400	0.872
350	1.248
300	
HEIGHT	SCALE HEIGHT, KM
950	303.3
900	302.8
850	311.4
800	317.8
750	319.6
700	308.0
650	275.8
600	231.6
550	204.3
500	178.4
450	155.1
400	144.1
350	135.0
300	
LONG	41.13
LAT	79.24
QUAL	23

Table III.—Continued

PASS 1340 AT RESLUT, 63 1 5								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	103645	103633	103651	103744	103759	103819	103837	103855
1000	0.017	0.006	0.005	0.048	0.043	0.016	0.059	0.035
950	0.019	0.009	0.009	0.055	0.048	0.023	0.067	0.044
900	0.021	0.012	0.011	0.060	0.053	0.025	0.077	0.052
850	0.024	0.014	0.013	0.065	0.062	0.027	0.088	0.060
800	0.029	0.017	0.016	0.071	0.072	0.030	0.102	0.066
750	0.037	0.021	0.020	0.077	0.081	0.034	0.117	0.077
700	0.047	0.025	0.028	0.086	0.089	0.041	0.138	0.088
650	0.062	0.036	0.041	0.103	0.106	0.053	0.163	0.101
600	0.062	0.053	0.058	0.136	0.134	0.069	0.192	0.119
550	0.118	0.077	0.085	0.176	0.172	0.090	0.229	0.141
500	0.173	0.113	0.121	0.223	0.225	0.116	0.272	0.171
450	0.209	0.193	0.206	0.316	0.330	0.171	0.331	0.212
400	0.425	0.322	0.343	0.456	0.474	0.257	0.427	0.262
350	0.646	0.518	0.542	0.622	0.645	0.383	0.597	0.370
300	0.933	0.779	0.812	0.809	0.855	0.538	0.938	0.578
HEIGHT	SCALE HEIGHT, KM							
	542.8			561.8	552.1		363.9	
950								
900	435.3	232.0	234.0	572.1	453.7	811.6	352.9	314.2
850	340.8	234.5	210.2	598.9	353.9	571.1	348.5	361.0
800	258.6	227.1	200.5	570.4	338.7	425.4	336.7	382.7
750	223.1	219.7	190.9	477.7	335.0	343.1	325.3	383.5
700	202.3	212.3	176.4	377.1	331.3	271.1	317.6	357.4
650	181.3	184.1	158.8	290.7	296.5	219.4	309.9	331.9
600	160.0	150.3	141.2	219.0	239.8	185.3	302.2	307.1
550	141.9	127.0	131.6	189.8	192.6	177.0	285.0	282.3
500	123.5	113.2	122.2	178.0	159.6	168.1	266.8	255.6
450	112.5	99.6	102.1	148.3	149.4	136.8	230.7	227.2
400	113.9	102.6	103.8	151.9	153.5	128.5	173.3	198.9
350	127.1	116.3	117.2	176.3	170.3	136.4	137.1	147.1
300	160.6	146.4	132.0	202.0	185.6	154.9	98.0	100.1
LONG	-63.32	-60.07	-56.83	-49.66	-47.77	-45.92	-44.29	-42.66
LAT	77.46	76.76	76.06	73.74	73.06	72.10	71.23	70.35
QUAL	33	33	33	23	33	33	33	33

Table III.—Continued

PASS 1340 AT RESLUT, 63 1 5				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	103912	103930	103948	104006
1000	0.066	0.028	0.016	0.006
950	0.072	0.032	0.022	0.009
900	0.079	0.037	0.028	0.012
850	0.087	0.042	0.034	0.016
800	0.097	0.049	0.040	0.020
750	0.111	0.056	0.049	0.026
700	0.130	0.066	0.060	0.033
650	0.151	0.082	0.074	0.042
600	0.177	0.103	0.093	0.053
550	0.207	0.129	0.115	0.067
500	0.259	0.167	0.157	0.094
450	0.354	0.229	0.218	0.128
400	0.469	0.333	0.333	0.193
350	0.788	0.518	0.511	0.296
300	1.251	0.822	0.790	0.483
HEIGHT	SCALE HEIGHT, KM			
	593.7	377.0		
950	593.7	377.0		
900	524.3	370.8		
850	461.7	355.0	256.1	189.9
800	400.6	332.5	256.5	199.3
750	379.6	305.4	250.1	208.7
700	356.6	278.2	243.7	210.9
650	337.6	256.9	232.0	203.8
600	304.0	236.4	217.3	196.7
550	269.3	215.9	202.6	187.9
500	221.1	191.0	169.9	167.8
450	172.1	157.3	138.2	147.6
400	123.2	133.4	127.0	129.6
350	105.5	113.3	113.7	112.5
300	124.2	117.6	117.1	115.2
LONG	-41.41	-40.21	-37.01	-37.91
LAT	69.50	68.58	67.57	66.75
QUAL	33	33	33	33

Table III. —Continued

PASS 1356 AT RESLUT, 63 1 6								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	144456	144527	144548	144607	144624	144642	144700	144717
1000	0.025	0.021	0.025	0.024	0.037	0.043	0.099	0.137
950	0.030	0.025	0.026	0.028	0.039	0.049	0.106	0.146
900	0.035	0.032	0.030	0.032	0.043	0.056	0.115	0.159
850	0.041	0.041	0.035	0.039	0.048	0.065	0.125	0.174
800	0.050	0.049	0.042	0.046	0.054	0.075	0.138	0.194
750	0.059	0.057	0.053	0.056	0.063	0.094	0.156	0.213
700	0.070	0.066	0.067	0.070	0.075	0.123	0.178	0.234
650	0.087	0.090	0.084	0.088	0.089	0.159	0.203	0.257
600	0.109	0.123	0.114	0.120	0.116	0.204	0.269	0.281
550	0.147	0.169	0.159	0.167	0.162	0.268	0.392	0.321
500	0.207	0.247	0.237	0.239	0.226	0.387	0.514	0.398
450	0.311	0.370	0.360	0.340	0.316	0.578	0.642	0.513
400	0.465	0.540	0.541	0.492	0.444	0.848	0.859	0.655
350	0.697	0.760	0.768	0.676	0.609	1.158	1.116	0.873
300	1.003	1.030		0.881	0.797			1.098
HEIGHT	SCALE HEIGHT, KM							
	329.3	276.3	610.6	307.9	591.0	376.2	691.0	644.7
950	329.3	276.3	610.6	307.9	591.0	376.2	691.0	644.7
900	317.4	248.3	331.0	285.5	484.2	346.5	599.9	565.3
850	303.1	241.1	296.6	273.1	418.2	317.2	517.6	538.2
800	287.0	244.7	263.7	262.4	356.7	287.9	448.7	511.7
750	273.3	248.3	243.1	248.3	317.9	253.5	399.2	525.0
700	258.1	243.0	222.5	223.1	283.8	216.9	349.7	538.3
650	231.2	196.6	201.8	197.9	249.7	193.9	300.2	504.6
600	204.2	159.5	174.3	174.8	212.6	184.6	233.9	464.3
550	169.9	147.1	142.9	152.2	173.3	166.1	162.0	311.7
500	137.4	132.9	129.0	143.6	152.4	131.1	177.2	232.1
450	124.2	129.3	117.3	142.0	150.5	131.6	192.0	201.3
400	124.6	138.8	134.4	155.6	159.0	147.7	191.3	194.3
350	129.5	154.9	156.5	176.3	174.0	185.2	208.6	199.5
300	170.4	227.5		204.0	196.5			238.6
LONG	-124.56	-119.76	-116.69	-114.20	-112.44	-110.57	-108.70	-107.42
LAT	76.89	75.60	74.70	73.86	73.05	72.20	71.35	70.50
QUAL	22	22	23	23	23	23	33	33

Table III. —Continued

PASS 1356 AT RESLUT, 63 1 6								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	144755	144753	144810	144828	144846	144904	145032	145050
1000	0.140	0.101	0.069	0.045	0.023	0.008	0.012	0.013
950	0.149	0.112	0.077	0.050	0.027	0.011	0.013	0.014
900	0.160	0.124	0.086	0.054	0.033	0.014	0.016	0.017
850	0.181	0.139	0.096	0.059	0.041	0.018	0.020	0.021
800	0.206	0.156	0.107	0.070	0.050	0.023	0.025	0.026
750	0.228	0.181	0.120	0.094	0.061	0.029	0.032	0.033
700	0.249	0.218	0.135	0.126	0.073	0.037	0.041	0.042
650	0.279	0.264	0.156	0.156	0.087	0.047	0.052	0.054
600	0.331	0.318	0.182	0.182	0.112	0.068	0.065	0.069
550	0.396	0.396	0.230	0.209	0.142	0.096	0.081	0.086
500	0.484	0.491	0.317	0.260	0.178	0.140	0.119	0.106
450	0.591	0.610	0.438	0.367	0.247	0.200	0.170	0.160
400	0.725	0.788	0.597	0.524	0.349	0.304	0.269	0.242
350	0.919	1.012	0.855	0.747	0.562	0.498	0.414	0.358
300	1.092		1.211	1.181	0.972	0.824	0.633	0.578
HEIGHT	SCALE HEIGHT, KM							
	845.7	486.8	475.6	573.6	270.7		347.5	379.8
950	845.7	486.8	475.6	573.6	270.7		347.5	379.8
900	578.7	458.3	456.1	500.0	249.3	196.7	257.5	309.2
850	485.9	413.1	450.2	424.1	243.7	205.2	244.7	248.8
800	439.3	365.2	432.1	362.6	243.2	208.7	231.9	237.1
750	430.8	330.0	408.9	314.0	244.0	201.1	219.1	225.5
700	422.2	307.5	376.7	265.5	244.8	193.5	210.4	213.9
650	389.1	285.0	327.2	251.5	245.6	183.1	202.9	206.1
600	324.7	262.6	277.7	251.0	227.7	163.7	195.4	198.9
550	269.0	246.9	228.8	250.4	209.9	144.4	188.0	191.8
500	259.4	232.2	180.4	220.9	192.0	137.8	158.2	184.7
450	249.8	218.9	156.7	150.7	162.7	133.4	127.4	164.8
400	241.8	209.7	151.7	139.0	128.6	112.9	120.3	140.5
350	245.7	201.4	144.0	128.6	106.6	102.8	118.9	117.6
300	399.3		166.0	105.7	85.2	102.5	126.1	100.9
LONG	-106.06	-104.70	-103.60	-102.58	-101.56	-100.60	-97.04	-96.42
LAT	69.61	68.71	67.84	66.91	65.98	65.05	60.37	59.40
QUAL	31	33	23	33	23	35	23	23

Table III.—Continued

PASS 1356 AT RESLUT, 63 1 6				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	145106	145143	145235	145253
1000		0.012	0.021	0.024
950		0.014	0.024	0.028
900		0.018	0.030	0.033
850		0.022	0.036	0.039
800		0.028	0.043	0.047
750		0.035	0.052	0.057
700	0.034	0.043	0.063	0.069
650	0.045	0.056	0.076	0.084
600	0.059	0.074	0.096	0.103
550	0.076	0.095	0.123	0.131
500	0.098	0.119	0.155	0.164
450	0.139	0.160	0.203	0.226
400	0.190	0.235	0.296	0.320
350	0.273	0.331	0.458	0.507
300	0.455	0.578	0.789	0.857
HEIGHT	SCALE HEIGHT, KM			
950		243.1	288.4	305.4
900		218.0	258.3	289.5
850		218.3	260.8	273.6
800		218.6	261.9	267.8
750		218.9	254.4	263.2
700	195.7	219.2	247.0	258.7
650	196.9	213.1	239.5	254.1
600	190.9	204.6	225.7	239.9
550	184.9	196.0	211.0	216.3
500	178.0	187.4	196.3	192.7
450	165.8	171.8	175.3	163.9
400	153.6	146.3	139.5	133.0
350	124.1	120.7	108.6	110.4
300	90.2	92.2	82.9	81.2
LONG	-95.90	-94.87	-93.58	-93.17
LAT	58.53	56.52	53.69	52.70
QUAL	23	23	13	13

Table III. —Continued

PASS 1356 AT OTTAWA, 63 1 6								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	145414	145449	145525	145653	145728	145804	145839	145914
1000	0.038	0.045	0.049	0.053	0.068	0.083	0.085	0.092
950	0.045	0.053	0.056	0.060	0.078	0.091	0.095	0.102
900	0.052	0.061	0.064	0.065	0.087	0.098	0.103	0.108
850	0.061	0.070	0.073	0.072	0.096	0.106	0.113	0.116
800	0.072	0.082	0.084	0.082	0.106	0.117	0.125	0.124
750	0.086	0.096	0.099	0.095	0.119	0.131	0.138	0.133
700	0.103	0.114	0.118	0.111	0.135	0.148	0.154	0.144
650	0.126	0.137	0.143	0.131	0.156	0.169	0.176	0.158
600	0.155	0.167	0.177	0.156	0.186	0.198	0.207	0.186
550	0.199	0.209	0.219	0.194	0.228	0.242	0.247	0.226
500	0.263	0.272	0.277	0.245	0.289	0.309	0.313	0.284
450	0.343	0.276	0.389	0.329	0.394	0.421	0.419	0.389
400	0.498	0.532	0.531	0.462	0.574	0.603	0.600	0.552
350	0.734	0.782	0.776	0.678	0.837	0.872	0.878	0.817
300	1.197	1.284	1.236	1.047	1.338	1.319	1.297	1.264
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	303.0	342.9	368.5	557.2	689.8	752.4		
900	315.6	343.2	374.6	504.3	472.6	650.8	607.9	735.4
850	308.6	337.0	351.8	437.2	475.6	563.1	546.6	750.5
800	295.1	319.2	331.0	389.3	456.2	481.2	515.4	687.8
750	284.6	303.0	311.5	345.5	424.0	432.6	472.4	618.3
700	263.1	290.4	262.0	313.8	378.1	390.3	410.0	548.8
650	235.1	260.3	239.7	287.0	300.9	346.0	349.1	472.6
600	215.5	231.7	227.8	253.7	267.0	280.1	293.8	295.1
550	198.4	207.8	215.8	225.0	242.6	231.4	248.5	234.8
500	182.9	184.1	201.8	196.2	191.0	184.1	200.7	196.0
450	167.5	160.6	178.9	165.2	156.2	150.0	160.9	164.7
400	146.8	139.1	155.9	143.1	147.2	145.8	140.8	140.7
350	123.8	120.8	128.0	129.9	127.7	132.2	130.4	128.0
300	94.3	94.6	100.4	108.9	98.8	109.9	114.3	104.9
LONG	-91.62	-91.06	-90.53	-89.39	-89.00	-88.62	-88.29	-87.97
LAT	48.24	46.30	44.30	39.40	37.45	35.44	33.48	31.52
QUAL	23	23	22	23	23	22	23	33

Table III.—Continued

PASS 1356 AT OTTAWA, 63 1 6				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	145950	150025	150101	150154
1000	0.112	0.105	0.127	0.135
950	0.119	0.116	0.140	0.147
900	0.125	0.128	0.153	0.157
850	0.135	0.140	0.165	0.170
800	0.150	0.153	0.179	0.186
750	0.164	0.165	0.197	0.206
700	0.182	0.183	0.216	0.233
650	0.206	0.206	0.243	0.268
600	0.238	0.237	0.282	0.314
550	0.285	0.284	0.346	0.387
500	0.353	0.369	0.457	0.499
450	0.477	0.501	0.646	0.649
400	0.680	0.706	0.922	0.943
350	0.986	1.055	1.384	1.415
300	1.445	1.614	2.243	2.218
HEIGHT	SCALE HEIGHT, KM			
950				
900	837.0	536.6	615.6	688.0
850	646.2	571.2	612.1	582.2
800	546.9	610.2	573.1	513.9
750	508.3	552.0	533.5	470.2
700	435.1	471.6	486.0	369.6
650	372.5	372.1	374.1	343.3
600	316.1	301.0	294.0	280.8
550	261.0	231.0	222.0	205.7
500	206.2	192.0	174.5	187.8
450	153.3	159.3	151.3	169.9
400	137.5	137.8	134.8	140.7
350	95.3	126.7	116.4	120.0
300	116.6	110.4	100.8	109.9
LONG	-87.66	-87.38	-87.10	-86.73
LAT	29.50	27.54	25.52	22.54
QUAL	23	33	33	32

Table III.—Continued

PASS 1356 AT QUITOE, 63 1 6								
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)								
HEIGHT	TIME (UT)							
	150607	150700	150728	150811	150847	150922	150958	151033
1000	0.179	0.202	0.205	0.224	0.226	0.242	0.247	0.240
950	0.189	0.214	0.219	0.237	0.242	0.259	0.262	0.254
900	0.207	0.230	0.236	0.253	0.260	0.278	0.281	0.272
850	0.226	0.247	0.254	0.271	0.283	0.301	0.306	0.295
800	0.247	0.271	0.279	0.303	0.310	0.342	0.374	0.322
750	0.273	0.301	0.310	0.348	0.361	0.408	0.475	0.423
700	0.316	0.348	0.360	0.406	0.434	0.494	0.589	0.564
650	0.369	0.413	0.430	0.491	0.535	0.637	0.722	0.714
600	0.435	0.500	0.518	0.602	0.692	0.837	1.113	1.077
550	0.560	0.819	0.721	0.860	1.052	1.391	1.695	1.821
500	0.747	1.094	1.134	1.401	1.720	2.476	3.033	3.380
450	1.080	1.638	1.808	2.474	3.112	4.682	5.490	5.944
400	1.742	2.936	3.492	4.772	6.005	8.155	8.091	7.838
350	3.208	5.644	6.956	8.866	10.335	11.221		
300	6.668	10.670	12.546					
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	876.2	765.1	700.8	801.5	682.7	706.6	802.4	735.5
900	629.1	672.4	639.9	683.9	603.2	605.8	603.8	534.6
850	546.7	606.0	579.6	566.8	525.2	497.5	433.7	533.6
800	490.2	513.7	495.8	480.9	447.3	409.9	345.3	432.7
750	434.2	413.3	412.0	403.8	372.0	334.4	256.9	278.8
700	379.9	351.9	352.8	326.6	297.4	258.9	215.8	182.8
650	325.7	303.8	301.6	264.6	225.8	204.3	184.8	171.1
600	271.3	207.9	250.3	207.1	161.1	157.0	117.3	109.6
550	211.6	133.5	134.4	128.5	114.0	89.8	106.1	88.8
500	159.2	139.0	115.5	97.0	93.2	84.4	82.9	80.0
450	122.3	102.0	91.3	82.6	79.3	81.4	96.5	118.4
400	97.0	80.8	73.5	75.0	82.1	109.5	199.5	321.2
350	73.6	75.9	73.4	84.4	115.8	304.7		
300	65.3	84.0	121.7					
LONG	-85.21	-84.93	-84.78	-84.55	-84.37	-84.18	-83.99	-83.80
LAT	8.30	5.31	3.73	1.31	-0.71	-2.68	-4.71	-6.68
QUAL	23	23	23	23	23	23	23	22

Table III. —Continued

PASS 1356 AT QUITOE, 63 1 6							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	151126	151201	151237	151458	151551	151626	151719
1000	0.264	0.246	0.266	0.234	0.249	0.235	0.239
950	0.262	0.273	0.288	0.250	0.269	0.256	0.256
900	0.305	0.304	0.323	0.269	0.294	0.282	0.273
850	0.358	0.340	0.364	0.294	0.321	0.314	0.294
800	0.437	0.399	0.414	0.357	0.366	0.353	0.335
750	0.573	0.489	0.473	0.446	0.424	0.401	0.395
700	0.720	0.635	0.671	0.557	0.496	0.456	0.472
650	0.954	0.894	0.975	0.687	0.630	0.559	0.563
600	1.497	1.433	1.492	0.906	0.837	0.739	0.675
550	2.540	2.428	2.517	1.546	1.231	1.024	0.896
500	4.259	4.141	4.121	2.722	2.003	1.489	1.264
450	5.966	5.744	5.380		3.575	2.502	1.828
400					6.249	4.541	2.886
350					9.081	6.917	4.646
300							
HEIGHT	SCALE HEIGHT, KM						
	151126	151201	151237	151458	151551	151626	151719
950	667.2	478.4	612.2	673.3	610.6	526.0	786.6
900	523.7	453.9	439.5	553.0	527.9	485.3	567.6
850	384.8	365.2	388.9	433.7	446.8	444.7	548.3
800	279.4	299.0	358.2	347.5	394.8	403.0	450.1
750	201.8	241.3	237.6	261.3	342.8	361.2	361.7
700	188.6	188.2	180.1	219.2	290.9	319.3	290.8
650	146.0	142.5	127.6	193.0	222.4	257.2	270.3
600	104.2	98.0	99.4	144.6	156.2	175.7	240.0
550	94.0	93.6	96.9	100.7	118.4	149.5	161.2
500	113.4	115.6	132.2	79.7	95.3	118.5	143.7
450	230.2	259.6	512.7		85.5	96.3	124.1
400					111.9	96.3	106.0
350					404.6	181.8	105.6
300							
LONG	-83.52	-83.32	-83.12	-82.25	-81.88	-81.62	-81.21
LAT	-9.06	-11.63	-13.05	-21.56	-24.52	-26.47	-29.45
QUAL	23	22	22	23	22	23	23

Table III.—Continued

PASS 1356 AT AGASTA, 63 1 6							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	151423	151458	151554	152051	152127	152204	152237
1000	0.203	0.220	0.218	0.238	0.222	0.210	0.200
950	0.222	0.240	0.237	0.258	0.241	0.230	0.220
900	0.250	0.267	0.260	0.278	0.263	0.255	0.245
850	0.267	0.302	0.289	0.304	0.289	0.284	0.274
800	0.353	0.348	0.323	0.334	0.321	0.321	0.309
750	0.366	0.404	0.364	0.378	0.364	0.366	0.355
700	0.451	0.468	0.443	0.444	0.420	0.426	0.417
650	0.574	0.628	0.570	0.532	0.498	0.509	0.501
600	0.865	0.891	0.746	0.647	0.608	0.627	0.627
550	1.400	1.334	1.005	0.816	0.764	0.811	0.812
500	2.425	2.410	1.556	1.106	1.004	1.081	1.090
450	4.628		2.607	1.541	1.388	1.494	1.522
400	7.119		4.577	2.248	1.935	2.124	2.171
350			7.201	3.292		3.076	
300				4.747		4.355	
HEIGHT	SCALE HEIGHT, KM						
	504.9	493.7	537.4	623.0	583.9	511.2	492.9
950	504.9	493.7	537.4	623.0	583.9	511.2	492.9
900	434.0	443.7	491.8	579.1	535.7	469.8	464.7
850	367.9	393.6	443.5	524.0	482.7	438.1	426.3
800	336.4	352.0	394.3	468.8	438.6	395.7	381.6
750	304.8	310.7	345.0	401.3	385.1	352.2	337.5
700	273.3	269.4	288.5	321.6	328.8	311.2	303.4
650	189.8	163.2	228.0	267.4	274.1	264.2	245.2
600	116.1	137.7	179.2	236.8	239.0	219.7	210.4
550	101.7	108.6	146.3	202.4	205.5	193.2	185.6
500	78.2	79.4	107.2	161.6	168.3	166.8	158.2
450	92.2		91.5	142.2	155.4	150.9	146.3
400	157.9		94.8	133.2	145.0	138.9	138.9
350			148.4	132.7		134.9	
300				158.4		155.5	
LONG	-82.47	-82.25	-81.86	-79.10	-78.64	-78.14	-77.63
LAT	-19.60	-21.56	-24.85	-41.16	-43.15	-45.19	-46.99
QUAL	22	23	22	22	23	23	23

Table III.—Continued

PASS 1356 AT SGLANT, 63 1 6							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	151847	151923	152016	152041	152127	152204	152313
1000	0.218	0.193	0.217	0.221	0.219	0.206	0.182
950	0.235	0.209	0.235	0.238	0.238	0.225	0.196
900	0.259	0.230	0.259	0.257	0.259	0.247	0.216
850	0.290	0.258	0.289	0.282	0.282	0.275	0.239
800	0.333	0.292	0.332	0.319	0.318	0.309	0.269
750	0.389	0.335	0.388	0.368	0.362	0.353	0.308
700	0.463	0.393	0.467	0.429	0.417	0.408	0.357
650	0.571	0.484	0.566	0.507	0.501	0.481	0.430
600	0.735	0.622	0.731	0.627	0.622	0.594	0.526
550	0.968	0.843	0.967	0.808	0.796	0.778	0.693
500	1.316	1.157	1.322	1.101	1.070	1.056	0.939
450	1.875	1.671	1.881	1.577	1.504	1.474	1.339
400		2.516	2.748	2.348	2.174	2.108	1.965
350		3.843	4.016	3.574	3.194	3.064	2.915
300		5.208		5.103		4.360	4.279
HEIGHT	SCALE HEIGHT, KM						
	151847	151923	152016	152041	152127	152204	152313
950	587.0	557.0	574.5	642.5	604.2	539.8	612.1
900	471.8	488.6	477.0	569.9	553.6	493.5	513.4
850	405.9	438.5	409.9	466.3	497.4	449.3	463.6
800	355.2	394.9	350.7	409.8	416.4	406.6	411.5
750	309.7	341.7	296.6	355.5	361.4	370.1	355.2
700	262.5	272.2	264.0	319.9	312.3	329.0	292.2
650	214.1	230.4	232.6	270.8	262.3	273.7	258.4
600	196.5	174.5	200.1	213.0	224.2	210.8	224.6
550	176.8	163.0	173.2	187.3	195.3	177.0	188.8
500	154.3	149.5	153.4	156.3	162.9	162.6	156.9
450	138.8	130.4	136.9	132.8	143.1	147.8	137.1
400		119.1	131.6	122.6	131.4	136.3	127.5
350		129.9	147.5	123.8	137.4	134.6	127.4
300		236.8		197.2		156.7	141.5
LONG	-80.44	-80.08	-79.51	-79.22	-78.64	-78.14	-77.03
LAT	-34.31	-36.30	-39.23	-40.61	-43.15	-45.19	-48.96
QUAL	23	33	23	22	22	11	21

Table III. —Continued

PASS 1356 AT SOLANT, 63 1 6								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	152348	152424	152531	152607	152642	152718	152753	152828
1000	0.181	0.167	0.151	0.154	0.145	0.110	0.096	0.079
950	0.195	0.179	0.165	0.162	0.156	0.122	0.106	0.089
900	0.212	0.195	0.180	0.178	0.171	0.137	0.119	0.100
850	0.233	0.217	0.198	0.201	0.189	0.155	0.134	0.115
800	0.258	0.243	0.223	0.223	0.212	0.176	0.153	0.133
750	0.289	0.275	0.254	0.249	0.240	0.203	0.177	0.155
700	0.333	0.317	0.290	0.286	0.277	0.237	0.209	0.181
650	0.396	0.376	0.339	0.334	0.327	0.281	0.253	0.210
600	0.488	0.460	0.411	0.394	0.394	0.346	0.310	0.249
550	0.636	0.589	0.527	0.503	0.490	0.437	0.394	0.311
500	0.874	0.782	0.702	0.667	0.647	0.581	0.513	0.418
450	1.240	1.098	0.956	0.914	0.868	0.802	0.730	0.581
400	1.821	1.633	1.328	1.262	1.170	1.128	1.040	0.816
350	2.774	2.609	1.918	1.762	1.689	1.650	1.530	1.175
300		4.320	3.027		2.542	2.481	2.347	1.827
HEIGHT	SCALE HEIGHT, KM							
	627.9	609.5	563.9	749.2	627.8	453.8	460.8	412.9
950	564.2	538.1	522.5	533.8	525.0	417.6	425.5	384.5
900	501.1	475.2	477.3	449.2	465.4	397.6	387.9	362.2
850	449.8	427.2	415.2	441.9	426.1	377.6	357.2	340.4
800	399.0	376.1	372.9	398.0	379.9	341.2	326.4	324.5
750	342.4	321.7	344.0	332.8	328.1	303.1	295.0	312.3
700	282.5	279.1	298.4	301.3	291.8	265.9	263.0	300.2
650	218.4	229.1	236.4	266.7	262.1	234.2	232.0	268.2
600	177.4	190.2	186.7	191.8	193.9	204.6	203.5	198.4
550	153.5	168.6	170.7	166.5	180.6	177.3	174.3	166.0
500	139.3	139.2	160.4	160.0	171.8	153.5	143.0	152.9
450	126.2	118.3	146.7	154.6	153.9	140.9	137.9	144.4
400	111.1	100.4	123.8	140.8	130.5	128.0	123.3	128.2
350		102.2	100.2		116.1	123.9	119.5	98.4
300								
LONG	-76.39	-75.65	-74.06	-73.08	-71.95	-70.65	-69.24	-67.51
LAT	-50.87	-52.87	-56.43	-58.36	-60.23	-62.13	-63.97	-65.78
QUAL	23	22	25	33	33	33	22	23

Table III.—Continued

PASS 1356 AT SULANT, 63 1 6							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	152904	152939	153032	153108	153158	153236	153312
1000	0.079	0.077	0.076	0.075	0.072	0.070	0.071
950	0.068	0.087	0.084	0.084	0.081	0.079	0.081
900	0.099	0.098	0.094	0.095	0.093	0.090	0.092
850	0.113	0.111	0.107	0.109	0.106	0.103	0.105
800	0.129	0.127	0.124	0.126	0.122	0.119	0.121
750	0.150	0.147	0.146	0.146	0.142	0.139	0.140
700	0.174	0.172	0.171	0.171	0.167	0.163	0.164
650	0.204	0.203	0.201	0.200	0.197	0.196	0.192
600	0.245	0.245	0.242	0.242	0.234	0.239	0.235
550	0.306	0.302	0.299	0.299	0.297	0.303	0.291
500	0.389	0.389	0.387	0.389	0.379	0.385	0.372
450	0.525	0.518	0.516	0.515	0.499	0.518	0.490
400	0.720	0.692	0.692	0.684	0.646	0.690	0.656
350	0.963	0.932	0.940	0.936	0.859	0.963	0.902
300	1.414	1.345	1.377	1.393	1.317	1.526	1.299
HEIGHT	SCALE HEIGHT, KM						
	433.5	410.5	438.3	410.3	390.8	389.0	385.8
950	433.5	410.5	438.3	410.3	390.8	389.0	385.8
900	405.2	396.8	402.9	384.8	367.7	370.8	382.9
850	383.6	381.8	374.8	356.1	363.6	352.8	366.0
800	362.0	356.0	353.8	342.4	344.8	333.9	345.3
750	343.8	322.9	332.9	328.7	321.9	313.2	324.4
700	328.1	304.8	310.2	309.4	300.4	290.5	303.1
650	293.8	286.8	286.5	290.2	279.8	262.6	281.8
600	247.4	258.8	256.5	256.6	258.5	236.0	255.7
550	226.4	226.5	223.8	217.8	228.3	213.9	228.7
500	196.2	192.5	188.7	188.8	195.8	192.6	195.1
450	164.7	174.5	173.7	177.0	191.3	180.8	175.7
400	168.1	174.0	172.4	172.7	184.4	169.1	168.7
350	153.7	155.2	148.1	146.0	153.7	134.4	150.8
300	110.4	116.3	112.5	114.4	95.8	101.2	124.1
LONG	-65.58	-63.19	-58.80	-55.17	-48.70	-41.80	-34.30
LAT	-67.63	-69.39	-71.97	-73.65	-75.85	-77.30	-78.54
QUAL	22	23	23	22	21	22	11

Table III. —Continued

PASS 1369 AT RESLUT, 63 1 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	133959	134016	134034	134052	134109	134127	134145	134220
1000	0.084	0.134	0.134	0.157	0.121	0.059	0.047	0.046
950	0.096	0.150	0.151	0.177	0.133	0.070	0.057	0.051
900	0.110	0.166	0.167	0.201	0.143	0.082	0.064	0.054
850	0.129	0.187	0.186	0.225	0.158	0.096	0.076	0.056
800	0.150	0.212	0.212	0.247	0.178	0.114	0.090	0.064
750	0.175	0.240	0.245	0.274	0.202	0.139	0.108	0.072
700	0.210	0.281	0.284	0.311	0.230	0.173	0.130	0.088
650	0.252	0.330	0.328	0.358	0.263	0.215	0.155	0.115
600	0.310	0.395	0.389	0.419	0.328	0.268	0.195	0.152
550	0.367	0.476	0.469	0.502	0.412	0.333	0.250	0.199
500	0.482	0.580	0.576	0.612	0.521	0.425	0.324	0.255
450	0.627	0.726	0.717	0.759	0.682	0.553	0.420	0.320
400	0.806	0.926	0.906	0.970	0.910	0.738	0.571	0.471
350	1.078	1.192	1.174	1.325	1.285	1.012	0.833	0.713
300	1.424	1.559	1.540	2.179			1.162	
HEIGHT	SCALE HEIGHT, KM							
	364.0	470.8	516.1		609.7	307.4	344.2	
950								
900	352.5	447.8	471.1	438.2	535.6	302.1	332.0	756.3
850	334.5	416.4	414.7	492.8	458.2	287.8	297.5	592.9
800	316.0	386.8	379.6	480.2	426.4	268.2	283.7	475.1
750	297.5	357.2	355.9	434.6	394.5	253.2	275.1	364.1
700	278.7	327.1	333.6	397.5	362.6	240.1	266.5	283.2
650	259.8	297.0	312.2	344.0	330.8	231.3	257.8	230.8
600	243.4	281.3	287.3	291.5	264.8	226.8	234.9	188.3
550	228.2	268.5	261.0	269.0	214.6	219.0	203.4	185.4
500	213.7	241.3	242.5	245.8	195.3	201.9	190.2	182.5
450	202.3	213.5	228.6	221.6	182.7	183.6	177.5	179.5
400	191.0	207.7	207.1	188.9	165.8	167.7	150.5	137.2
350	178.3	194.9	190.1	129.2	140.6	156.9	147.0	116.4
300	188.5	174.8	178.0	116.0			162.2	
LONG	-88.48	-87.54	-86.56	-85.58	-84.76	-84.01	-83.25	-81.95
LAT	67.93	67.05	66.11	65.18	64.28	63.33	62.37	60.50
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 1369 AT OTTAWA, 63 1 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	134816	134848	134929	135004	135040	135115	135150	135226
1000	0.049	0.060	0.083	0.089	0.115	0.116	0.144	0.137
950	0.056	0.068	0.091	0.100	0.129	0.127	0.152	0.147
900	0.065	0.076	0.098	0.110	0.138	0.141	0.160	0.159
850	0.074	0.087	0.106	0.122	0.148	0.154	0.169	0.171
800	0.086	0.098	0.116	0.137	0.161	0.168	0.181	0.183
750	0.100	0.112	0.129	0.154	0.174	0.186	0.194	0.196
700	0.118	0.128	0.149	0.173	0.190	0.207	0.212	0.215
650	0.138	0.150	0.175	0.197	0.212	0.233	0.237	0.240
600	0.166	0.178	0.207	0.232	0.272	0.269	0.275	0.272
550	0.205	0.218	0.252	0.285	0.326	0.323	0.329	0.320
500	0.266	0.277	0.325	0.367	0.516	0.421	0.419	0.401
450	0.370	0.372	0.465	0.505	0.743	0.592	0.561	0.552
400	0.519	0.547	0.667	0.742	0.916	0.839	0.796	0.796
350	0.754	0.812	1.003	1.084	1.267	1.166	1.147	1.161
300	1.227	1.281	1.591	1.691	2.033	1.781	1.695	1.805
HEIGHT	SCALE HEIGHT, KM							
	358.8	422.4	579.8			554.8	1004.0	690.1
950								
900	355.5	405.4	642.3		691.4	544.2	913.9	684.3
850	346.6	401.2	608.3	455.1	557.6	551.7	810.4	731.1
800	335.5	397.4	508.6	447.6	537.0	524.1	726.8	731.8
750	324.0	372.3	418.3	438.4	600.3	491.9	644.1	621.9
700	318.8	343.8	344.3	394.3	511.2	439.8	514.5	515.5
650	280.1	311.8	304.2	331.5	370.4	381.4	393.6	427.4
600	253.0	270.5	274.6	280.3	222.8	319.7	305.2	353.6
550	219.4	225.8	233.5	233.6	200.3	236.0	236.9	276.9
500	172.1	187.6	165.4	190.9	163.7	169.2	198.4	188.1
450	157.4	149.3	151.4	159.9	158.5	156.8	154.9	149.6
400	147.3	136.4	138.5	142.0	165.5	148.4	142.8	135.9
350	126.8	121.8	121.4	124.6	139.7	137.7	133.7	126.8
300	90.4	95.3	100.1	104.0	107.5	110.3	110.7	102.8
LONG	-74.53	-74.17	-73.73	-73.36	-73.03	-72.71	-72.42	-72.14
LAT	40.83	39.16	36.87	34.92	32.90	30.94	28.97	26.95
QUAL	23	23	23	23	23	23	23	23

Table III. —Continued

PASS 1369 AT OTTAWA, 63 1 7		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	135301	135337
1000	0.122	0.160
950	0.134	0.171
900	0.146	0.182
850	0.157	0.193
800	0.170	0.207
750	0.187	0.225
700	0.208	0.247
650	0.236	0.275
600	0.270	0.314
550	0.317	0.372
500	0.396	0.474
450	0.535	0.646
400	0.750	0.891
350	1.097	1.253
300	1.658	1.950
HEIGHT	SCALE HEIGHT, KM	
900	611.9	835.2
850	628.0	763.7
800	577.8	663.2
750	506.9	579.9
700	439.2	473.6
650	383.2	415.2
600	345.4	349.7
550	272.0	263.8
500	183.6	181.1
450	164.8	158.2
400	146.8	148.9
350	130.6	134.3
300	112.9	104.4
LONG	-71.87	-71.62
LAT	24.99	22.97
QUAL	23	13

Table III.—Continued

PASS 1369 AT FIMYRS, 63 1 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	135319	135354	135505	135541	135616	135748	135824	135859
1000	0.153	0.162	0.163	0.173	0.156	0.184	0.180	0.177
950	0.164	0.171	0.176	0.187	0.167	0.194	0.193	0.192
900	0.171	0.185	0.188	0.199	0.179	0.208	0.211	0.207
850	0.165	0.187	0.200	0.211	0.191	0.221	0.228	0.227
800	0.195	0.198	0.214	0.234	0.204	0.240	0.247	0.248
750	0.213	0.215	0.230	0.248	0.222	0.267	0.269	0.275
700	0.236	0.236	0.256	0.259	0.244	0.294	0.309	0.309
650	0.264	0.266	0.292	0.296	0.276	0.323	0.362	0.363
600	0.309	0.307	0.345	0.347	0.321	0.388	0.439	0.436
550	0.375	0.373	0.413	0.410	0.392	0.492	0.537	0.530
500	0.479	0.488	0.509	0.523	0.526	0.674	0.747	0.732
450	0.657	0.687	0.706	0.737	0.764	1.004	1.070	1.062
400	0.868	1.022	1.029	1.069	1.178	1.615	1.673	1.716
350	1.273	1.552	1.571	1.678	2.078	2.638	2.781	2.858
300	1.923	2.774	2.674	3.467	5.065	4.305	4.522	4.986
HEIGHT	SCALE HEIGHT, KM							
	983.6		675.1	950.6	753.5	1110.6	647.5	657.1
950	983.6		675.1	950.6	753.5	1110.6	647.5	657.1
900	835.1		774.1	964.9	752.7	669.2	621.2	606.3
850	704.3	889.0	774.9	793.7	718.1	570.5	605.3	551.5
800	693.8	744.3	691.4	655.9	651.2	502.6	541.6	507.5
750	573.1	563.5	554.5	646.1	565.8	448.2	477.7	442.6
700	460.6	479.4	449.1	616.9	480.3	397.0	376.4	362.1
650	380.6	376.1	347.5	402.8	395.9	341.6	290.4	311.2
600	307.5	304.1	304.2	304.8	312.4	283.3	250.5	267.7
550	237.5	224.7	264.0	265.9	227.2	224.9	210.7	223.8
500	200.5	170.5	215.7	160.3	155.4	166.6	160.6	162.4
450	167.4	136.1	144.7	145.7	133.0	123.0	128.5	120.1
400	146.6	121.7	126.1	122.4	102.9	117.1	104.3	99.6
350	130.9	107.9	110.4	98.2	73.7	101.3	96.5	100.2
300	115.8	85.6	76.5	49.9	56.7	92.4	118.6	97.3
LONG	-71.75	-71.50	-71.04	-70.82	-70.62	-70.10	-69.90	-69.72
LAT	23.98	22.02	18.02	15.99	14.02	8.84	6.81	4.84
QUAL	33	33	33	33	33	33	23	33

Table III. —Continued

PASS 1369 AT FTMYRS, 63 1 7	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	135917
1000	0.173
950	0.189
900	0.205
850	0.223
800	0.244
750	0.269
700	0.303
650	0.345
600	0.401
550	0.508
500	0.696
450	1.011
400	1.582
350	2.676
300	5.023
HEIGHT	SCALE HEIGHT, KM
950	591.1
900	589.0
850	563.9
800	516.1
750	459.7
700	406.3
650	353.3
600	294.8
550	196.0
500	146.0
450	125.2
400	103.3
350	86.2
300	96.0
LONG	-69.62
LAT	3.62
QUAL	33

Table III. —Continued

PASS 1369 AT QUITOE, 63 1 7						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	135859	135934	140027	140103	140138	140214
1000	0.163	0.173	0.195	0.194	0.203	0.217
950	0.176	0.185	0.207	0.210	0.217	0.233
900	0.190	0.200	0.220	0.225	0.232	0.250
850	0.207	0.216	0.235	0.242	0.246	0.272
800	0.227	0.235	0.253	0.263	0.271	0.295
750	0.251	0.258	0.273	0.289	0.299	0.323
700	0.282	0.287	0.301	0.325	0.331	0.356
650	0.324	0.326	0.348	0.370	0.377	0.405
600	0.380	0.378	0.414	0.435	0.443	0.465
550	0.464	0.464	0.503	0.535	0.538	0.585
500	0.611	0.622	0.677	0.716	0.719	0.793
450	0.863	0.888	0.993	1.036	1.051	1.151
400	1.279	1.329	1.498	1.552	1.562	1.666
350	2.002	2.126	2.386	2.444	2.387	2.523
300	3.417	3.636	4.066	4.102	3.961	4.396
HEIGHT	SCALE HEIGHT, KM					
	655.4	681.6	823.7	683.3	775.4	706.3
950	655.4	681.6	823.7	683.3	775.4	706.3
900	610.1	646.9	763.1	687.6	717.9	655.2
850	567.5	629.2	680.0	648.6	665.8	606.7
800	518.6	530.4	619.2	568.0	494.4	560.0
750	459.1	483.0	558.4	451.2	459.5	508.8
700	388.5	437.2	475.7	403.4	424.6	457.5
650	338.4	374.1	344.6	355.5	371.3	380.5
600	293.9	305.1	271.5	297.4	306.8	302.7
550	231.0	214.9	224.2	221.5	229.3	209.4
500	167.2	165.6	147.4	150.9	149.0	146.3
450	132.1	137.7	126.8	129.9	127.7	134.1
400	121.9	117.5	117.4	118.3	124.7	132.7
350	102.5	100.7	99.4	103.7	110.2	110.2
300	87.9	87.6	94.2	91.9	89.5	77.8
LONG	-69.72	-69.53	-69.26	-69.06	-68.88	-68.70
LAT	4.84	2.86	-0.12	-2.14	-4.11	-6.14
QUAL	12	13	12	12	12	13

Table III.—Continued

PASS 1369 AT QUITOE, 63 1 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	140249	140324	140400	140435	140528	140605	140639	140734
1000	0.222	0.238	0.236	0.242	0.240	0.244	0.255	0.255
950	0.239	0.256	0.254	0.262	0.258	0.263	0.278	0.278
900	0.258	0.276	0.273	0.282	0.279	0.287	0.301	0.306
850	0.277	0.297	0.294	0.304	0.304	0.314	0.332	0.339
800	0.302	0.321	0.317	0.328	0.332	0.346	0.370	0.379
750	0.329	0.350	0.344	0.357	0.364	0.386	0.418	0.429
700	0.362	0.385	0.381	0.396	0.407	0.434	0.478	0.497
650	0.406	0.431	0.430	0.455	0.467	0.504	0.559	0.585
600	0.463	0.521	0.519	0.552	0.573	0.604	0.684	0.734
550	0.602	0.671	0.659	0.742	0.768	0.817	0.879	0.956
500	0.825	0.943	0.938	1.220	1.135	1.236	1.249	1.358
450	1.205	1.381	1.496	1.982	1.925	2.128	2.113	2.147
400	1.830	2.167	2.587	3.323	3.497	3.817	3.779	3.650
350	2.991	3.910	4.723	5.938	5.900	6.017		5.133
300	5.411	7.039	8.159					
HEIGHT	SCALE HEIGHT, KM							
	140249	140324	140400	140435	140528	140605	140639	140734
950	660.7	683.7	696.7	666.0	652.4	603.5	591.3	535.0
900	659.5	676.1	685.4	665.0	617.9	554.8	541.4	506.8
850	632.8	647.0	664.6	651.7	583.0	526.3	497.5	467.9
800	596.6	606.5	614.1	601.4	551.2	494.7	453.6	417.1
750	545.6	550.8	531.4	539.4	489.5	443.0	404.2	366.8
700	469.3	475.2	444.8	423.2	405.0	369.9	349.9	318.7
650	362.6	348.1	358.3	317.4	316.7	302.6	281.5	271.1
600	280.0	261.9	272.2	238.9	201.3	235.8	223.2	222.2
550	205.2	172.7	188.3	129.3	151.3	149.3	181.6	173.5
500	147.3	140.7	127.2	113.4	117.9	107.0	124.1	128.7
450	126.2	122.7	99.5	108.1	85.9	86.8	86.3	98.8
400	112.5	98.2	88.6	86.4	84.9	92.9	98.9	107.8
350	93.1	81.1	79.3	95.2	128.5	143.9		269.5
300	81.1	113.5	134.7					
LONG	-68.51	-68.31	-68.11	-67.91	-67.60	-67.37	-67.15	-66.77
LAT	-8.10	-10.07	-12.09	-14.06	-17.03	-19.11	-21.01	-24.08
QUAL	12	13	12	13	13	13	13	12

Table III. —Continued

PASS 1369 AT SOLANT, 63 1 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	140751	140826	140902	140937	141013	141048	141123	141159
1000	0.278	0.281	0.293	0.292	0.293	0.276	0.266	0.250
950	0.301	0.307	0.321	0.319	0.319	0.304	0.289	0.272
900	0.331	0.338	0.356	0.357	0.355	0.339	0.330	0.300
850	0.367	0.376	0.400	0.405	0.401	0.387	0.382	0.337
800	0.411	0.423	0.454	0.459	0.461	0.447	0.438	0.387
750	0.467	0.489	0.521	0.537	0.540	0.522	0.511	0.453
700	0.545	0.571	0.607	0.641	0.649	0.627	0.620	0.544
650	0.655	0.682	0.735	0.778	0.800	0.780	0.767	0.678
600	0.824	0.839	0.912	0.974	1.004	0.995	0.969	0.870
550	1.074	1.091	1.200	1.288	1.326	1.352	1.286	1.178
500	1.510	1.539	1.679	1.813	1.864	1.968	1.842	1.695
450	2.333	2.357	2.581	2.742	2.852	3.040	2.855	2.589
400	3.749	3.652	3.973	4.091	4.401	4.613	4.479	3.960
350	5.238							
300								
HEIGHT	SCALE HEIGHT, KM							
	577.9	543.8	505.7	497.7	523.9	486.6	484.7	533.2
950	577.9	543.8	505.7	497.7	523.9	486.6	484.7	533.2
900	501.5	485.8	461.6	427.3	444.5	427.2	393.9	475.8
850	463.7	437.8	425.8	386.5	385.6	362.7	347.8	412.1
800	416.3	392.0	382.6	355.1	345.2	335.9	332.4	337.9
750	353.7	352.0	337.6	313.4	293.1	297.2	295.9	300.5
700	299.7	299.1	293.2	273.3	255.9	247.1	244.3	249.1
650	252.3	256.1	252.8	244.4	235.7	223.0	225.6	214.8
600	217.2	225.2	213.0	205.9	208.8	192.5	200.5	190.8
550	175.8	178.3	175.0	165.8	165.7	150.8	162.2	155.5
500	132.1	134.0	133.2	135.2	135.2	125.0	128.5	129.1
450	108.5	111.5	113.3	118.9	113.7	113.0	107.2	116.5
400	114.2	126.3	135.0	141.4	133.5	139.3	131.0	124.1
350	265.0							
300								
LONG	-66.65	-66.39	-66.11	-65.82	-65.51	-65.18	-64.83	-64.45
LAT	-25.04	-26.99	-28.99	-30.94	-32.94	-34.88	-36.82	-38.81
QUAL	12	13	12	12*	12	13	13	12

Table III.—Continued

PASS 1369 AT SULANT, 63 1 7								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	141234	141310	141438	141531	141607	141746	141857	141932
1000	0.240	0.259	0.276	0.258	0.232	0.193	0.179	0.158
950	0.262	0.280	0.296	0.269	0.253	0.213	0.199	0.175
900	0.294	0.311	0.317	0.286	0.276	0.235	0.221	0.197
850	0.335	0.350	0.345	0.333	0.305	0.263	0.248	0.225
800	0.382	0.397	0.380	0.362	0.341	0.296	0.280	0.257
750	0.443	0.459	0.423	0.393	0.385	0.338	0.322	0.296
700	0.525	0.548	0.483	0.465	0.444	0.393	0.377	0.348
650	0.641	0.672	0.568	0.541	0.521	0.465	0.446	0.415
600	0.808	0.838	0.722	0.662	0.632	0.572	0.555	0.505
550	1.061	1.101	0.960	0.854	0.800	0.739	0.706	0.649
500	1.490	1.508	1.352	1.141	1.065	0.972	0.934	0.884
450	2.251	2.186	2.023	1.666	1.535	1.303	1.273	1.244
400	3.612	3.328	3.252	2.638	2.288	1.795	1.796	1.779
350		4.685	5.183	4.356	3.412	2.531	2.666	2.616
300				6.669	5.025	3.609	4.142	
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	488.5	558.4	710.5	967.8	568.4	503.4	474.4	448.7
900	441.9	478.7	636.3	705.0	526.7	467.3	446.1	412.2
850	397.5	412.4	568.3	465.9	482.7	436.9	418.6	382.3
800	356.5	367.7	498.9	474.0	434.6	408.1	391.6	360.4
750	317.4	321.6	426.7	434.9	379.1	358.3	342.4	333.8
700	272.0	273.7	347.5	327.2	332.7	314.7	298.4	300.7
650	232.3	239.4	265.6	281.1	287.3	269.7	260.7	265.7
600	207.9	211.7	205.2	238.4	243.6	219.3	231.0	229.0
550	172.5	178.4	166.8	196.2	202.2	199.8	203.5	189.0
500	136.2	149.5	133.0	158.2	158.2	181.3	179.4	163.1
450	112.4	124.4	116.6	120.0	129.4	165.3	158.2	146.5
400	111.0	126.8	101.9	104.5	126.6	152.1	141.3	136.1
350		188.4	105.1	106.6	123.8	141.8	114.9	122.8
300				144.0	150.6	149.1	117.2	
LONG	-64.63	-63.58	-62.30	-61.37	-60.66	-58.25	-55.97	-54.54
LAT	-40.74	-42.72	-47.55	-50.44	-52.40	-57.74	-61.52	-63.35
QUAL	23	12	22	22	12	23	32	33

Table III.—Continued

PASS 1369 AT SOLANT, 63 1 7							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	142007	142131	142211	142247	142322	142358	142433
1000	0.161	0.120	0.119	0.124	0.134	0.127	0.133
950	0.175	0.136	0.132	0.139	0.151	0.145	0.149
900	0.194	0.157	0.153	0.158	0.170	0.166	0.169
850	0.223	0.182	0.180	0.180	0.192	0.190	0.194
800	0.263	0.209	0.205	0.207	0.218	0.219	0.224
750	0.307	0.240	0.238	0.241	0.250	0.255	0.258
700	0.355	0.285	0.283	0.284	0.290	0.297	0.304
650	0.418	0.344	0.337	0.337	0.341	0.353	0.361
600	0.514	0.425	0.407	0.405	0.412	0.429	0.438
550	0.672	0.537	0.509	0.513	0.527	0.542	0.551
500	0.898	0.699	0.664	0.677	0.705	0.696	0.706
450	1.211	0.934	0.892	0.896	0.936	0.917	0.935
400	1.692	1.265	1.217	1.177	1.285	1.231	1.263
350	2.458	1.731	1.689	1.543	1.856	1.693	1.715
300	3.646			2.150	2.630	2.371	
HEIGHT	SCALE HEIGHT, KM						
	142007	142131	142211	142247	142322	142358	142433
950	528.8	374.0	443.3	418.3	426.2	372.7	415.8
900	447.2	352.1	361.3	389.7	414.6	368.0	385.1
850	388.7	339.7	334.1	367.6	398.9	358.4	359.4
800	337.4	332.6	339.8	344.4	378.1	341.0	347.1
750	323.0	325.4	316.7	319.0	349.8	327.3	334.0
700	319.2	290.8	288.1	298.6	321.2	312.6	307.1
650	279.0	249.8	275.5	282.5	292.2	274.2	276.4
600	201.2	226.4	247.2	245.7	237.3	231.0	231.1
550	187.1	205.9	204.5	198.8	194.5	212.2	211.2
500	173.8	188.0	186.3	188.4	179.0	198.9	198.1
450	160.2	173.1	170.9	184.4	168.1	180.9	176.7
400	143.0	163.8	158.7	186.4	150.0	165.1	167.2
350	130.5	152.3	145.9	180.3	136.0	153.2	165.4
300	126.2			129.7	158.3	150.3	
LONG	-52.99	-47.92	-44.78	-41.28	-37.01	-32.09	-25.40
LAT	-65.18	-69.45	-71.41	-73.11	-74.68	-76.23	-77.52
QUAL	21	23	13	21	23	22	33

Table III.—Continued

PASS 1383 AT RESLUT. 63 1 8							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	41709	141727	141745	141802	141820	141855	141913
1000	0.062	0.049	0.086	0.084	0.053	0.067	0.041
950	0.071	0.057	0.094	0.100	0.059	0.076	0.045
900	0.076	0.061	0.102	0.114	0.062	0.084	0.049
850	0.083	0.067	0.111	0.129	0.066	0.093	0.053
800	0.092	0.075	0.123	0.149	0.073	0.103	0.058
750	0.107	0.084	0.136	0.175	0.084	0.114	0.063
700	0.128	0.095	0.154	0.208	0.097	0.132	0.078
650	0.157	0.107	0.177	0.256	0.113	0.154	0.100
600	0.201	0.133	0.205	0.318	0.133	0.182	0.129
550	0.257	0.193	0.249	0.395	0.176	0.238	0.165
500	0.352	0.266	0.371	0.496	0.238	0.314	0.209
450	0.478	0.350	0.520	0.632	0.316	0.421	0.299
400	0.659	0.453	0.681	0.825	0.450	0.576	0.435
350	0.926	0.672	0.925	1.116	0.649	0.848	0.617
300	1.324	1.014			0.832		
HEIGHT	SCALE HEIGHT, KM						
	634.2	630.8			895.6		
950							
900	592.5	634.4	582.2	387.8	811.1	485.3	645.1
850	515.6	505.5	552.7	358.6	598.5	489.7	575.8
800	411.8	423.2	503.4	327.1	421.4	446.7	487.7
750	349.2	387.8	416.2	301.7	384.5	397.0	399.6
700	291.9	352.3	375.1	276.3	347.6	352.7	331.6
650	240.9	316.8	334.0	258.8	310.7	308.4	267.4
600	213.2	260.7	292.9	242.5	273.8	264.0	208.7
550	186.2	164.0	247.8	227.1	236.8	216.1	193.6
500	174.8	154.9	184.5	212.2	199.8	176.6	178.4
450	162.9	160.6	155.2	196.6	163.7	165.2	153.8
400	151.4	162.8	156.8	177.3	140.6	148.5	140.7
350	145.6	125.4	136.5	151.4	161.1	117.7	142.0
300	135.7	118.8			291.7		
LONG	-100.69	-99.61	-98.53	-97.54	-96.71	-95.09	-94.39
LAT	68.54	67.61	66.69	65.81	64.87	63.02	62.06
QUAL	33	33	33	33	32	33	33

Table III.—Continued

PASS 1383 AT OTTAWA, 63 1 8								
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)								
HEIGHT	TIME (UT)							
	1421.8	142153	142229	142337	142415	142450	142526	142601
1000	0.021	0.037	0.037	0.048	0.049	0.048	0.059	0.066
950	0.026	0.043	0.042	0.054	0.057	0.056	0.068	0.077
900	0.032	0.050	0.048	0.061	0.065	0.063	0.078	0.087
850	0.039	0.059	0.055	0.070	0.075	0.073	0.090	0.099
800	0.047	0.068	0.064	0.082	0.086	0.085	0.103	0.113
750	0.056	0.079	0.074	0.097	0.100	0.101	0.120	0.131
700	0.066	0.092	0.088	0.116	0.118	0.121	0.143	0.155
650	0.081	0.110	0.104	0.139	0.141	0.147	0.172	0.186
600	0.102	0.135	0.127	0.172	0.174	0.181	0.210	0.231
550	0.130	0.168	0.159	0.216	0.220	0.236	0.266	0.289
500	0.172	0.217	0.204	0.285	0.280	0.307	0.343	0.373
450	0.239	0.285	0.270	0.386	0.380	0.429	0.487	0.504
400	0.326	0.402	0.384	0.556	0.546	0.614	0.688	0.728
350	0.468	0.614	0.607	0.838	0.818	0.922	1.038	1.075
300	0.748	0.980	0.982	1.415	1.327	1.495	1.679	1.710
HEIGHT	SCALE HEIGHT, KM							
950		331.6	373.6	422.3	372.0	376.1	351.4	379.9
900		330.1	376.5	371.2	371.1	364.5	364.4	387.4
850	270.1	327.9	354.7	340.3	359.1	340.4	359.6	371.3
800	290.1	331.6	337.8	317.0	339.1	315.0	337.4	349.3
750	287.1	329.1	311.3	297.5	314.2	287.7	304.2	313.5
700	260.1	296.2	289.3	282.3	292.5	259.1	283.1	284.2
650	237.0	263.0	269.5	246.7	259.8	238.2	264.4	258.5
600	214.1	236.5	246.0	225.4	226.6	217.4	231.0	234.8
550	191.6	212.9	220.6	203.4	215.1	196.5	200.5	212.7
500	173.1	191.6	191.9	178.9	192.6	175.6	171.3	185.3
450	161.0	168.6	160.7	156.1	149.2	157.0	154.9	151.5
400	149.0	138.7	126.4	137.7	135.3	139.6	139.2	138.4
350	128.2	118.6	113.0	114.6	118.9	119.2	119.0	122.1
300	101.7	99.6	103.9	94.0	92.8	96.4	103.0	102.7
LONG	-90.50	-89.66	-88.91	-87.67	-87.06	-86.55	-86.08	-85.65
LAT	55.31	53.39	51.41	47.67	45.57	43.62	41.62	39.67
QUAL	33	23	23	23	23	22	22	22

Table III.—Continued

PASS 1383 AT OTTAWA, 63 1 8						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	142636	142712	142747	142823	142858	142933
1000	0.076	0.084	0.113	0.115	0.139	0.135
950	0.089	0.096	0.125	0.126	0.151	0.151
900	0.099	0.106	0.138	0.138	0.164	0.166
850	0.110	0.119	0.152	0.154	0.178	0.182
800	0.125	0.136	0.169	0.170	0.196	0.200
750	0.144	0.157	0.191	0.190	0.217	0.221
700	0.170	0.182	0.219	0.215	0.246	0.247
650	0.203	0.214	0.255	0.249	0.283	0.283
600	0.248	0.258	0.303	0.298	0.336	0.332
550	0.316	0.320	0.374	0.367	0.413	0.413
500	0.411	0.425	0.489	0.466	0.528	0.532
450	0.569	0.581	0.657	0.640	0.704	0.710
400	0.811	0.808	0.909	0.909	0.999	1.005
350	1.206	1.179	1.349	1.334	1.456	1.476
300	1.937	1.828	2.089	2.038	2.210	2.263
HEIGHT	SCALE HEIGHT, KM					
	950	900	850	800	750	700
950	449.0	444.9	422.7	378.7	330.9	294.4
900	512.7	451.0	407.1	370.7	345.8	333.2
850	640.6	506.0	483.5	442.4	388.2	343.0
800	623.6	522.4	479.9	468.5	438.4	362.4
750	593.0	561.8	509.9	468.5	436.7	383.0
700	516.2	522.7	510.6	468.9	405.7	340.6
650	468.9	468.9	405.7	340.6	275.3	227.8
600	405.7	340.6	275.3	227.8	188.3	163.7
550	340.6	275.3	227.8	188.3	163.7	144.3
500	275.3	227.8	188.3	163.7	144.3	127.4
450	227.8	188.3	163.7	144.3	127.4	114.0
400	188.3	163.7	144.3	127.4	114.0	
350	163.7	144.3	127.4	114.0		
300	144.3	127.4	114.0			
LONG	-85.26	-84.88	-84.55	-84.22	-83.91	-83.63
LAT	37.72	35.71	33.75	31.73	29.77	27.81
QUAL	23	23	22	23	23	22

Table III. —Continued

PASS 1383 AT QUITOE, 63 1 8								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	143454	143530	143641	143716	143751	143844	143920	143955
1000	0.179	0.193	0.176	0.174	0.187	0.189	0.218	0.200
950	0.187	0.202	0.185	0.183	0.198	0.202	0.229	0.215
900	0.197	0.212	0.193	0.195	0.208	0.218	0.233	0.230
850	0.207	0.221	0.203	0.208	0.222	0.235	0.263	0.245
800	0.219	0.231	0.217	0.222	0.240	0.254	0.280	0.265
750	0.234	0.243	0.233	0.241	0.263	0.277	0.290	0.292
700	0.255	0.267	0.257	0.267	0.294	0.309	0.345	0.330
650	0.283	0.302	0.290	0.313	0.332	0.352	0.400	0.398
600	0.320	0.347	0.347	0.377	0.394	0.419	0.483	0.498
550	0.373	0.413	0.450	0.474	0.489	0.540	0.652	0.667
500	0.469	0.549	0.608	0.625	0.676	0.772	0.942	1.001
450	0.652	0.760	0.882	0.904	1.012	1.237	1.525	1.704
400	0.958	1.098	1.316	1.421	1.630	2.101	2.733	3.488
350	1.509	1.664	2.112	2.372	2.800	3.967	5.478	7.499
300	2.677	3.046	3.850	4.334	5.109	8.019	10.845	
HEIGHT	SCALE HEIGHT, KM							
	1052.6	1046.6	1333.2	920.2	962.4	685.6	1227.5	743.8
950	1052.6	1046.6	1333.2	920.2	962.4	685.6	1227.5	743.8
900	1031.1	1114.5	1117.4	819.8	845.5	664.4	1070.1	742.2
850	934.8	1098.6	873.6	765.8	704.1	657.1	628.5	675.1
800	795.7	937.7	722.0	655.5	608.7	608.7	622.3	561.0
750	657.7	769.1	607.1	523.9	494.3	493.3	574.6	464.0
700	556.1	593.1	482.2	404.4	421.9	419.2	311.2	364.2
650	472.7	415.4	351.5	330.5	360.4	345.7	282.2	257.4
600	386.0	327.4	257.5	257.0	284.9	258.2	227.3	203.3
550	289.2	247.4	210.0	211.6	200.3	168.5	156.8	156.4
500	181.0	169.9	156.1	166.1	140.5	129.8	117.4	113.4
450	142.3	143.8	128.1	119.1	114.1	96.7	95.5	79.2
400	120.9	131.3	117.5	105.9	100.3	86.2	78.9	66.4
350	102.2	106.3	95.8	90.7	88.6	76.5	67.7	75.6
300	81.0	67.3	71.6	77.7	82.3	74.3	126.5	
LONG	-81.56	-81.36	-90.99	-80.80	-80.62	-80.34	-80.15	-79.97
LAT	9.76	7.73	3.73	1.76	-0.20	-3.19	-5.21	-7.18
QUAL	23	13	12	13	13	13	13	13

Table III.—Continued

PASS 1383 AT QUITOE, 63 1 8								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	144050	144106	144141	144217	144252	144327	144437	144512
1000	0.207	0.221	0.209	0.216	0.224	0.219	0.242	0.247
950	0.221	0.233	0.219	0.228	0.239	0.231	0.258	0.265
900	0.234	0.246	0.240	0.255	0.253	0.246	0.276	0.285
850	0.252	0.273	0.259	0.273	0.278	0.265	0.299	0.307
800	0.276	0.299	0.274	0.283	0.304	0.295	0.329	0.339
750	0.308	0.326	0.324	0.285	0.346	0.335	0.370	0.380
700	0.348	0.354	0.390	0.380	0.402	0.393	0.427	0.432
650	0.438	0.495	0.460	0.446	0.483	0.474	0.502	0.506
600	0.558	0.689	0.573	0.578	0.636	0.574	0.632	0.637
550	0.760	0.899	0.853	0.853	0.942	0.839	0.859	0.839
500	1.181	1.538	1.444	1.443	1.620	1.373	1.213	1.186
450	2.220	2.876	2.815	2.762	2.984	2.569	2.102	1.902
400	4.626	5.461	5.346	5.167	5.158	4.546	3.841	3.283
350	8.824		7.596					5.316
300								
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	847.2	988.0	833.5	848.7		901.2	755.7	698.2
900	747.5	731.8	626.3	702.3	764.3	709.9	680.4	649.7
850	578.6	529.0	571.9	679.1	527.2	558.0	592.8	575.8
800	497.3	478.0	517.5	656.0	469.6	462.1	462.6	483.4
750	420.0	427.1	360.2	632.8	346.9	375.4	381.9	412.5
700	342.9	376.2	274.5	240.1	299.0	308.8	340.8	357.5
650	271.7	231.4	255.0	244.5	239.1	259.9	291.3	282.9
600	200.5	160.1	167.9	156.5	153.0	211.0	189.2	198.4
550	144.3	141.6	110.4	114.0	115.8	132.3	158.3	170.4
500	93.8	84.2	84.6	83.4	82.5	89.3	125.0	129.6
450	70.5	76.1	73.3	73.4	82.7	78.9	81.2	97.1
400	69.0	85.5	90.7	101.6	114.0	111.6	98.2	92.6
350	106.7		399.2					140.7
300								
LONG	-79.77	-79.58	-79.38	-79.17	-78.97	-78.75	-78.29	-78.04
LAT	-9.14	-11.17	-13.13	-15.15	-17.12	-19.08	-23.00	-24.95
QUAL	12	12	12	13	12	13	13	11

Table III.—Continued

PASS 1383 AT QUITOE, 63 1 8			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	144547	144623	144658
1000	0.253	0.252	0.235
950	0.272	0.274	0.255
900	0.294	0.299	0.282
850	0.325	0.327	0.313
800	0.362	0.362	0.349
750	0.467	0.407	0.399
700	0.462	0.469	0.460
650	0.541	0.551	0.538
600	0.662	0.675	0.667
550	0.880	0.859	0.863
500	1.274	1.165	1.220
450	1.950	1.720	1.822
400	3.166	2.836	2.854
350			4.281
300			
HEIGHT	SCALE HEIGHT, KM		
	144547	144623	144658
950	647.6	580.4	548.3
900	563.6	567.6	497.0
850	511.0	522.5	453.2
800	458.6	463.5	413.3
750	407.2	384.8	380.5
700	353.0	323.4	344.5
650	293.4	282.2	289.3
600	225.2	239.4	205.7
550	160.8	195.4	176.2
500	122.0	150.5	143.0
450	110.6	115.4	119.1
400	100.0	101.1	111.3
350			172.0
300			
LONG	-77.79	-77.50	-77.22
LAT	-26.90	-28.90	-30.86
QUAL	13	23	12

Table III.—Continued

PASS 1383 AT AGASTA, 63 1 8								
ELECTRON DENSITY IN ELECTRONS PER CC (X.0-5)								
HEIGHT	TIME (UT)							
	144417	144454	144529	144605	144640	144715	144751	144826
1000	0.279	0.256	0.271	0.289	0.288	0.272	0.286	0.281
950	0.288	0.271	0.291	0.307	0.311	0.294	0.312	0.312
900	0.301	0.290	0.314	0.332	0.340	0.321	0.340	0.343
850	0.326	0.313	0.342	0.365	0.376	0.358	0.376	0.376
800	0.366	0.343	0.375	0.406	0.420	0.408	0.418	0.419
750	0.381	0.383	0.414	0.456	0.470	0.471	0.480	0.499
700	0.462	0.441	0.475	0.519	0.545	0.547	0.561	0.606
650	0.537	0.521	0.570	0.605	0.651	0.650	0.678	0.734
600	0.650	0.656	0.721	0.750	0.814	0.794	0.834	0.883
550	0.979	0.863	0.942	0.967	1.049	1.017	1.086	1.170
500	1.420	1.235	1.321	1.340	1.414	1.411	1.483	1.636
450	2.532	1.955	2.055	2.036	2.089	2.098	2.152	2.478
400	4.170	3.499	3.470	3.194	3.112	3.152	3.218	3.583
350	5.894	5.356	5.062	4.642	4.417	4.418	4.523	
300								
HEIGHT	SCALE HEIGHT, KM							
	1112.3	786.2	663.2	705.9	583.9	574.2	569.4	515.3
950								
900	637.3	714.7	614.0	575.7	512.2	500.0	525.9	527.3
850	648.9	599.0	553.5	500.2	473.8	442.3	471.6	458.7
800	501.5	486.8	503.2	459.7	440.1	401.4	415.9	390.5
750	489.9	404.6	447.4	411.1	406.5	360.4	359.1	323.5
700	277.1	346.9	326.1	349.6	324.2	313.5	302.2	265.9
650	255.7	266.6	235.0	274.8	258.7	271.1	260.1	247.0
600	216.3	198.1	207.3	231.0	224.9	229.4	222.2	228.2
550	135.2	167.5	176.4	185.3	189.4	179.7	184.8	168.9
500	109.7	129.1	135.6	139.1	151.5	145.6	151.2	134.5
450	92.2	94.4	97.0	114.0	120.7	118.0	125.4	127.7
400	111.1	96.8	108.6	119.8	132.9	130.2	133.4	149.5
350	248.0	154.7	196.0	169.3	168.0	185.8	174.1	
300								
LONG	-78.42	-78.17	-77.92	-77.65	-77.36	-77.06	-76.74	-76.40
LAT	-21.88	-23.94	-25.89	-27.90	-29.85	-31.80	-33.80	-35.74
QUAL	23	22	22	22	23	23	32	33

Table III. —Continued

PASS 1383 AT AGASTA, 63 1 8								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	144902	144937	145012	145048	145123	145159	145252	145327
1000	0.258	0.272	0.247	0.238	0.235	0.218	0.195	0.201
950	0.279	0.290	0.268	0.259	0.254	0.233	0.217	0.221
900	0.309	0.312	0.293	0.282	0.275	0.252	0.244	0.246
850	0.344	0.344	0.325	0.311	0.307	0.284	0.276	0.275
800	0.378	0.381	0.363	0.355	0.354	0.323	0.311	0.310
750	0.438	0.431	0.415	0.409	0.404	0.362	0.351	0.354
700	0.531	0.503	0.480	0.472	0.459	0.404	0.407	0.410
650	0.652	0.608	0.578	0.545	0.539	0.488	0.479	0.481
600	0.800	0.772	0.710	0.684	0.650	0.605	0.581	0.582
550	1.027	1.017	0.942	0.891	0.793	0.757	0.720	0.735
500	1.436	1.409	1.322	1.217	1.023	0.983	0.926	0.951
450	2.127	2.008	1.948	1.727	1.425	1.338	1.249	1.274
400	3.250		2.943	2.609	2.152	1.930	1.691	1.712
350	4.654		4.322		3.319	2.822	2.271	2.291
300	5.878		5.790		4.807	3.929	3.176	
HEIGHT	SCALE HEIGHT, KM							
	578.9	705.1	569.4	570.0	607.5	660.1	444.7	493.5
950	578.9	705.1	569.4	570.0	607.5	660.1	444.7	493.5
900	497.7	592.3	518.2	513.7	526.2	555.3	423.7	456.1
850	448.4	507.9	461.0	457.5	455.6	464.2	408.0	428.1
800	405.1	433.5	404.7	401.2	388.7	407.6	388.4	397.2
750	347.1	367.6	360.7	351.8	367.9	382.5	368.8	359.8
700	283.2	307.4	316.7	319.1	352.7	357.4	332.1	322.9
650	243.5	254.9	269.4	286.5	285.5	272.9	289.9	286.4
600	221.2	212.4	221.1	235.8	253.7	226.7	254.7	251.8
550	184.5	173.7	173.5	181.8	229.3	211.1	224.5	219.3
500	140.6	149.1	141.1	152.4	185.9	182.0	191.8	189.0
450	118.6	137.0	123.8	129.9	139.8	152.6	168.9	171.6
400	129.0		123.1	128.0	115.1	125.7	170.0	172.7
350	161.1		140.5		122.9	144.5	160.9	161.5
300	347.1		296.0		154.7	149.8	132.1	
LONG	-76.04	-75.64	-75.22	-74.76	-74.25	-73.71	-72.78	-72.06
LAT	-37.73	-39.66	-41.59	-43.57	-45.49	-47.47	-50.35	-52.26
QUAL	33	23	32	23	32	33	33	33

Table III. —Continued

PASS 1383 AT SULANT, 63 1 8								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	144605	144640	144715	144751	144826	144901	144937	145010
1000	0.264	0.259	0.261	0.261	0.244	0.246	0.249	0.233
950	0.286	0.281	0.280	0.281	0.266	0.263	0.266	0.252
900	0.318	0.309	0.307	0.318	0.296	0.288	0.294	0.281
850	0.333	0.342	0.341	0.351	0.331	0.325	0.324	0.308
800	0.372	0.381	0.384	0.391	0.370	0.366	0.359	0.349
750	0.448	0.431	0.440	0.456	0.424	0.412	0.408	0.401
700	0.501	0.494	0.512	0.539	0.503	0.478	0.477	0.465
650	0.570	0.583	0.612	0.644	0.611	0.590	0.566	0.558
600	0.697	0.736	0.751	0.797	0.776	0.749	0.724	0.706
550	0.892	0.960	0.961	1.040	1.022	0.972	0.953	0.915
500	1.253	1.308	1.319	1.420	1.415	1.360	1.323	1.241
450	1.907	1.939	1.953	2.122	2.107	2.041	1.941	1.841
400	3.099	2.973	3.022	3.246	3.244	3.176		2.914
350	4.683	4.349	4.455	4.643		4.694		4.381
300								5.833
HEIGHT	SCALE HEIGHT, KM							
	639.7	572.6	631.3	578.2	532.3	635.2	687.5	571.7
950	639.7	572.6	631.3	578.2	532.3	635.2	687.5	571.7
900	578.7	501.8	526.5	473.3	464.2	514.4	554.4	494.7
850	564.1	473.6	455.0	443.0	431.8	413.2	499.5	460.1
800	445.4	440.0	394.8	403.7	409.9	385.7	435.7	392.4
750	346.7	394.4	359.2	351.1	321.7	358.2	347.8	348.5
700	367.5	326.7	317.9	299.9	276.6	307.2	303.0	314.9
650	291.6	252.8	257.7	252.9	238.2	221.8	258.2	235.2
600	231.8	217.2	226.3	210.8	205.4	202.9	213.7	208.9
550	171.6	182.3	186.3	183.1	173.4	177.0	172.8	185.8
500	136.6	147.9	147.0	148.5	142.8	138.2	144.0	149.1
450	111.5	122.1	121.3	118.5	116.8	115.9	122.2	118.0
400	104.6	118.5	117.4	123.7	119.0	119.9		111.6
350	174.6	175.8	163.6	175.8		149.1		139.4
300								378.7
LONG	-77.65	-77.36	-77.06	-76.74	-76.40	-76.05	-75.64	-75.25
LAT	-27.90	-29.85	-31.80	-33.80	-35.74	-37.68	-39.66	-41.48
QUAL	11	22	12	12	23	12	23	11

Table III. —Continued

PASS 1383 AT SOLANT, 63 1 8							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	145048	145158	145251	145327	145415	145509	145544
1000	0.213	0.201	0.179	0.174	0.190	0.174	0.160
950	0.251	0.218	0.200	0.194	0.206	0.192	0.177
900	0.255	0.238	0.225	0.217	0.229	0.215	0.201
850	0.286	0.264	0.258	0.244	0.256	0.242	0.231
800	0.324	0.296	0.294	0.279	0.287	0.272	0.261
750	0.369	0.339	0.335	0.323	0.329	0.314	0.298
700	0.430	0.395	0.391	0.377	0.381	0.369	0.348
650	0.515	0.471	0.463	0.445	0.451	0.439	0.414
600	0.641	0.582	0.565	0.543	0.553	0.541	0.505
550	0.828	0.750	0.715	0.700	0.713	0.695	0.656
500	1.126	0.998	0.929	0.930	0.940	0.917	0.879
450	1.660	1.376	1.252	1.282	1.263	1.225	1.198
400	2.531	2.008	1.729	1.778	1.763	1.706	1.680
350		3.080	2.399	2.423	2.476	2.405	2.380
300		4.488	3.380			3.488	3.462
HEIGHT	SCALE HEIGHT, KM						
	145048	145158	145251	145327	145415	145509	145544
950	548.9	585.7	438.4	454.9	534.8	478.0	455.0
900	476.2	520.8	402.0	424.9	471.8	445.5	414.8
850	433.9	467.5	375.0	395.4	437.5	412.8	386.6
800	393.6	412.6	363.8	367.2	407.3	380.1	377.3
750	355.2	352.9	352.5	340.6	362.9	343.0	348.3
700	306.9	307.4	318.3	319.7	318.0	305.8	309.0
650	253.6	260.2	276.4	275.4	271.0	271.5	278.2
600	214.6	219.3	229.3	214.8	219.7	214.1	209.8
550	187.7	193.9	208.5	193.8	197.5	194.8	188.3
500	150.7	170.2	185.6	172.7	178.7	179.6	171.0
450	121.6	146.9	163.5	155.7	162.3	165.5	156.7
400	120.4	122.1	155.5	158.7	149.6	150.5	147.7
350		123.4	149.8	160.6	146.9	140.7	139.6
300		140.3	146.7			139.6	129.7
LONG	-74.76	-73.72	-72.80	-72.08	-71.01	-69.61	-68.54
LAT	-43.57	-47.41	-50.30	-52.26	-54.86	-57.76	-59.63
QUAL	13	12	23	13	13	12	13

Table III. — Continued

PASS 1383 AT SOLANT, 63 1 8								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	145619	145655	145730	145806	145841	145916	145952	150027
1000	0.148	0.149	0.125	0.119	0.110	0.100	0.088	0.085
950	0.166	0.164	0.142	0.136	0.125	0.113	0.100	0.096
900	0.185	0.185	0.162	0.155	0.143	0.130	0.114	0.110
850	0.210	0.209	0.186	0.178	0.165	0.151	0.132	0.128
800	0.241	0.238	0.213	0.204	0.191	0.176	0.152	0.150
750	0.279	0.272	0.247	0.237	0.222	0.207	0.178	0.175
700	0.325	0.317	0.291	0.280	0.261	0.244	0.210	0.203
650	0.386	0.374	0.347	0.334	0.312	0.295	0.251	0.243
600	0.471	0.451	0.421	0.408	0.385	0.359	0.304	0.299
550	0.610	0.564	0.532	0.523	0.493	0.447	0.382	0.379
500	0.820	0.731	0.701	0.702	0.658	0.586	0.491	0.491
450	1.130	0.999	0.947	0.946	0.894	0.786	0.656	0.656
400	1.610	1.424	1.315		1.243	1.079	0.889	0.888
350	2.331	2.112	1.902		1.741	1.516	1.214	1.238
300	3.366		2.897		2.407	2.213	1.706	1.792
HEIGHT	SCALE HEIGHT, KM							
	435.1	457.0	382.8	378.5	375.1	364.6	379.9	372.5
950	435.1	457.0	382.8	378.5	375.1	364.6	379.9	372.5
900	412.2	423.8	373.1	369.1	366.2	347.9	362.2	350.0
850	387.5	399.4	361.5	356.4	349.7	333.8	346.4	339.5
800	361.9	381.7	346.1	340.7	331.9	320.8	330.9	329.0
750	335.4	350.1	325.6	323.7	320.7	301.5	313.2	317.6
700	307.9	315.2	298.4	304.5	295.6	282.4	295.2	303.9
650	276.3	288.4	273.4	270.1	256.1	266.0	270.5	261.7
600	218.8	246.7	237.2	223.5	229.8	247.9	243.0	230.8
550	186.9	208.4	198.1	190.4	179.9	203.2	215.1	209.8
500	167.8	183.5	180.6	178.5	173.1	184.4	189.8	191.2
450	150.0	156.1	163.6	166.4	160.9	168.4	169.3	176.1
400	140.5	134.8	145.3		153.0	154.8	165.8	160.1
350	135.4	121.1	127.9		156.3	141.0	155.8	144.9
300	142.9		116.5		150.2	141.7	139.8	132.1
LONG	-67.52	-65.94	-64.28	-62.44	-60.20	-57.60	-54.50	-50.57
LAT	-61.48	-63.39	-65.20	-67.05	-68.82	-70.55	-72.29	-73.89
QUAL	12	23	13	13	11	12	13	12

Table III.—Continued

PASS 1383 AT SOLANT, 63 1 8			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	150103	150138	150213
1000	0.073	0.077	0.069
950	0.084	0.089	0.080
900	0.096	0.102	0.092
850	0.109	0.116	0.106
800	0.127	0.133	0.123
750	0.149	0.154	0.143
700	0.175	0.180	0.169
650	0.209	0.213	0.202
600	0.256	0.263	0.242
550	0.324	0.327	0.301
500	0.412	0.417	0.389
450	0.551	0.547	0.527
400	0.740	0.723	0.719
350	1.012	0.974	0.985
300	1.442	1.430	1.419
HEIGHT	SCALE HEIGHT, KM		
	375.2	354.3	346.2
950	375.2	354.3	346.2
900	366.6	365.6	346.0
850	351.2	365.0	340.7
800	331.6	363.3	331.0
750	312.6	330.1	316.2
700	295.3	297.0	295.3
650	259.9	264.0	282.5
600	227.5	246.7	256.2
550	213.5	229.4	208.4
500	199.6	192.8	187.7
450	183.5	181.6	174.4
400	167.0	177.8	163.7
350	152.3	151.0	149.7
300	131.4	124.3	131.0
LONG	-46.11	-40.13	-33.26
LAT	-75.50	-76.88	-78.14
QUAL	13	32	13

Table III.—Continued

PASS 1396 AT RESLUT, 63 1 9								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	130742	130800	130818	130835	130852	130910	130928	131003
1000	0.054	0.076	0.070	0.111	0.144	0.200	0.210	0.176
950	0.061	0.068	0.080	0.130	0.167	0.225	0.234	0.199
900	0.065	0.097	0.090	0.147	0.186	0.245	0.256	0.221
850	0.071	0.111	0.101	0.164	0.208	0.268	0.284	0.241
800	0.082	0.129	0.114	0.186	0.235	0.293	0.316	0.265
750	0.098	0.154	0.134	0.214	0.267	0.322	0.354	0.292
700	0.125	0.185	0.160	0.263	0.308	0.356	0.398	0.329
650	0.165	0.223	0.199	0.328	0.362	0.406	0.449	0.376
600	0.232	0.303	0.269	0.447	0.443	0.470	0.515	0.433
550	0.325	0.438	0.369	0.636	0.570	0.546	0.602	0.522
500	0.461	0.645	0.518	0.884	0.746	0.652	0.713	0.649
450	0.704	0.930	0.758	1.190	0.961	0.783	0.853	0.859
400	1.015	1.282	1.075		1.214	0.964	1.051	1.151
350	1.404		1.457		1.517		1.315	1.574
300							1.647	
HEIGHT	SCALE HEIGHT, KM							
900	618.4	406.6	431.3	402.8	425.5	541.6	495.1	505.7
850	459.0	356.0	392.6	409.6	415.1	539.8	471.9	528.5
800	358.0	307.0	343.2	356.3	396.4	517.4	449.3	490.1
750	268.4	281.1	304.2	304.1	377.7	475.6	434.3	451.7
700	211.2	255.2	265.3	255.6	332.9	433.8	419.3	410.6
650	169.9	229.2	225.5	206.3	278.6	397.1	395.7	368.5
600	154.0	182.3	184.0	150.5	223.7	360.8	337.8	326.5
550	141.4	134.2	154.9	154.0	208.7	324.6	310.1	263.6
500	135.7	134.2	141.8	162.4	200.7	291.3	291.1	209.9
450	135.7	147.5	142.0	186.4	207.9	267.5	269.3	189.8
400	145.9	171.0	154.8		219.8	333.2	239.5	171.3
350	208.0		212.2		243.0		228.8	150.1
300							227.6	
LONG	-91.94	-90.04	-88.66	-87.35	-86.04	-84.85	-83.82	-81.85
LAT	72.36	71.51	70.62	69.77	68.93	68.01	67.08	65.27
QUAL	32	32	32	32	32	32	33	33

Table III. —Continued

PASS 1396 AT OTTAWA, 63 1 9								
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)								
HEIGHT	TIME (UT)							
	131225	131318	131353	131429	131504	131617	131652	131727
1000	0.020	0.014	0.028	0.035	0.039	0.048	0.051	0.048
950	0.024	0.020	0.035	0.039	0.043	0.054	0.058	0.057
900	0.027	0.027	0.040	0.043	0.048	0.061	0.066	0.064
850	0.032	0.033	0.047	0.046	0.054	0.069	0.074	0.073
800	0.037	0.038	0.054	0.055	0.061	0.079	0.086	0.085
750	0.043	0.044	0.063	0.064	0.072	0.093	0.101	0.096
700	0.051	0.053	0.074	0.075	0.086	0.112	0.119	0.113
650	0.062	0.065	0.088	0.090	0.106	0.135	0.143	0.134
600	0.078	0.081	0.108	0.109	0.130	0.167	0.176	0.162
550	0.100	0.102	0.136	0.138	0.169	0.212	0.223	0.203
500	0.134	0.136	0.178	0.184	0.226	0.273	0.283	0.263
450	0.160	0.187	0.232	0.251	0.296	0.377	0.393	0.356
400	0.204	0.273	0.334	0.377	0.437	0.517	0.539	0.501
350	0.308	0.406	0.517	0.552	0.650	0.779	0.795	0.760
300	0.626	0.659	0.859	0.905	1.086	1.249	1.253	1.217
HEIGHT	SCALE HEIGHT, KM							
900	337.2		344.5	466.3	465.9	418.6	413.0	399.5
850	361.8	305.6	340.1	431.6	420.8	372.9	374.2	383.4
800	341.8	337.0	329.3	369.4	344.1	332.8	341.0	354.1
750	301.1	309.0	315.6	324.6	294.2	297.5	314.0	317.3
700	267.7	270.3	292.6	289.5	259.6	276.0	286.7	295.3
650	243.6	232.1	267.4	261.3	239.7	253.6	255.1	278.1
600	216.4	215.1	232.8	233.2	219.9	227.0	223.9	254.8
550	183.9	196.3	206.1	197.4	200.7	200.9	204.0	216.3
500	168.0	171.5	189.5	169.3	182.1	175.3	184.0	171.9
450	154.2	150.9	172.9	144.4	163.4	160.6	167.5	156.6
400	138.8	136.7	137.2	132.8	140.6	146.1	150.9	140.1
350	123.1	119.8	107.9	121.4	116.2	123.0	127.5	121.3
300	104.1	100.2	101.0	98.2	95.5	97.2	102.4	96.3
LONG	-76.51	-75.10	-74.29	-73.56	-72.69	-71.73	-71.23	-70.79
LAT	57.68	54.80	52.88	50.90	48.98	44.94	42.99	41.05
QUAL	33	23	23	23	23	23	23	23

Table III.—Continued

PASS 1396 AT OTTAWA, 63 1 9								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	131803	131838	131914	131949	132024	132117	132228	132304
1000	0.061	0.074	0.086	0.083	0.108	0.162	0.153	0.197
950	0.069	0.083	0.094	0.090	0.118	0.172	0.167	0.205
900	0.078	0.091	0.102	0.097	0.129	0.178	0.174	0.213
850	0.086	0.101	0.111	0.106	0.138	0.187	0.183	0.223
800	0.098	0.112	0.122	0.118	0.149	0.199	0.195	0.237
750	0.113	0.126	0.136	0.134	0.164	0.217	0.211	0.255
700	0.131	0.144	0.155	0.152	0.182	0.239	0.231	0.280
650	0.155	0.168	0.178	0.174	0.206	0.269	0.257	0.313
600	0.186	0.199	0.210	0.201	0.240	0.311	0.294	0.362
550	0.226	0.244	0.253	0.241	0.289	0.373	0.348	0.438
500	0.294	0.307	0.320	0.300	0.366	0.474	0.432	0.563
450	0.403	0.409	0.438	0.396	0.498	0.631	0.581	0.763
400	0.577	0.576	0.631	0.573	0.721	0.872	0.838	1.068
350	0.851	0.834	0.906	0.837	1.041	1.238	1.233	1.556
300	1.378	1.265	1.319	1.275	1.581	1.876	1.877	2.426
HEIGHT	SCALE HEIGHT, KM							
900	447.2	501.2	598.5	603.3	641.0	1228.4	1073.9	1199.1
850	427.6	495.6	552.5	515.5	655.3	905.5	885.6	983.3
800	379.3	449.5	487.8	442.9	590.7	680.5	733.7	753.1
750	341.2	399.8	440.0	412.7	516.1	562.3	606.5	618.3
700	322.3	354.7	383.6	384.1	439.2	474.1	499.2	482.8
650	285.3	312.5	323.7	352.6	357.2	396.1	419.2	406.2
600	254.1	261.5	280.9	319.2	300.9	315.5	337.5	312.8
550	225.5	234.4	249.5	250.4	250.5	244.6	265.6	237.9
500	183.6	202.8	192.1	205.6	196.5	204.3	205.7	186.2
450	154.8	162.2	156.0	157.8	149.9	171.3	160.5	156.0
400	135.1	139.6	147.9	137.6	133.3	148.5	139.7	145.3
350	120.1	129.8	137.4	127.1	132.0	135.3	126.5	126.7
300	101.5	112.8	122.2	109.3	106.8	110.4	108.7	95.1
LONG	-70.36	-69.98	-69.61	-69.27	-68.96	-68.52	-67.99	-67.73
LAT	39.04	37.09	35.08	33.12	31.16	28.19	24.20	22.18
QUAL	22	21	22	23	21	21	23	33

Table III.—Continued

PASS 1396 AT QUITOE, 63 1 9						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	132657	132712	132805	132916	133031	133102
1000	0.174	0.169	0.186	0.197	0.212	0.218
950	0.182	0.177	0.195	0.206	0.226	0.236
900	0.195	0.186	0.206	0.216	0.233	0.257
850	0.204	0.197	0.219	0.227	0.258	0.282
800	0.219	0.212	0.234	0.244	0.286	0.311
750	0.236	0.227	0.255	0.269	0.316	0.346
700	0.258	0.246	0.280	0.303	0.353	0.391
650	0.289	0.269	0.313	0.345	0.402	0.446
600	0.333	0.301	0.352	0.395	0.481	0.528
550	0.401	0.347	0.431	0.500	0.601	0.669
500	0.512	0.443	0.574	0.684	0.821	0.991
450	0.724	0.613	0.812	1.045	1.353	1.626
400	1.075	0.943	1.200	1.632	2.361	2.875
350	1.663	1.526	1.882	2.615	4.075	5.350
300	2.883	2.680	3.215	4.633	6.886	9.251
HEIGHT	SCALE HEIGHT, KM					
	1138.8	1066.3	1025.1	1095.8	819.6	605.7
950	1138.8	1066.3	1025.1	1095.8	819.6	605.7
900	930.5	898.5	866.9	1045.0	742.1	564.3
850	869.8	804.7	759.6	833.9	517.9	521.2
800	703.2	723.8	669.7	622.0	495.8	482.2
750	596.8	663.4	574.8	516.4	456.6	445.4
700	503.4	584.0	486.8	421.5	419.6	393.3
650	416.8	494.2	418.8	362.5	338.5	334.8
600	334.5	395.2	350.9	303.6	244.1	266.6
550	261.1	299.0	228.8	210.5	200.3	187.6
500	185.6	214.4	158.9	140.8	133.9	100.2
450	136.9	130.0	134.7	113.9	86.8	101.1
400	120.5	113.9	120.7	112.8	93.0	81.4
350	104.7	96.7	103.8	97.3	90.6	85.1
300	83.8	79.6	84.3	84.3	107.9	105.1
LONG	-66.44	-66.25	-65.96	-65.59	-65.17	-65.04
LAT	10.20	8.22	5.24	1.24	-3.31	-4.72
QUAL	13	33	13	13	12	13

Table III.—Continued

PASS 1396 AT SOLANT, 63 1 9								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	133648	133729	133804	133839	133915	133950	134026	134101
1000	0.282	0.292	0.295	0.287	0.303	0.297	0.287	0.273
950	0.307	0.316	0.321	0.316	0.328	0.318	0.313	0.297
900	0.340	0.347	0.356	0.352	0.365	0.365	0.347	0.331
850	0.363	0.387	0.401	0.396	0.411	0.420	0.392	0.376
800	0.437	0.442	0.452	0.450	0.465	0.465	0.450	0.434
750	0.506	0.515	0.517	0.521	0.543	0.539	0.526	0.503
700	0.601	0.613	0.614	0.616	0.645	0.652	0.626	0.602
650	0.756	0.765	0.761	0.745	0.789	0.788	0.770	0.744
600	0.982	0.983	0.967	0.943	0.989	0.976	0.991	0.955
550	1.338	1.315	1.314	1.246	1.286	1.297	1.336	1.300
500	2.043	1.901	1.929	1.826	1.807	1.791	1.890	1.864
450	3.255	2.920	3.029	2.916	2.805	2.659	2.799	2.770
400	5.102	4.662	4.819	4.620	4.386	4.093	4.166	4.270
350								
300								
HEIGHT	SCALE HEIGHT, KM							
	518.0	588.5	520.8	479.9	537.9	570.6	519.7	520.1
950	518.0	588.5	520.8	479.9	537.9	570.6	519.7	520.1
900	462.5	484.1	465.5	442.8	466.8	430.5	449.6	450.8
850	411.3	417.5	424.2	404.3	409.2	385.1	389.7	388.3
800	372.0	364.8	349.5	365.8	361.0	376.9	351.3	350.9
750	320.1	313.4	318.5	325.9	315.7	316.6	310.5	319.4
700	241.2	250.5	253.8	284.6	274.6	258.7	266.2	251.7
650	212.7	221.1	225.0	237.1	243.0	240.1	220.5	216.1
600	184.9	190.7	194.8	202.2	210.5	213.4	184.6	185.5
550	143.3	158.1	150.1	162.4	176.5	169.4	158.5	150.9
500	112.9	128.1	122.5	119.3	132.8	144.3	137.0	132.9
450	104.9	110.8	103.9	107.3	105.8	119.0	123.8	122.7
400	137.2	115.3	127.8	113.2	123.6	128.3	136.4	125.2
350								
300								
LONG	-62.98	-62.68	-62.42	-62.13	-61.82	-61.50	-61.14	-60.78
LAT	-24.12	-26.41	-26.36	-30.30	-32.30	-34.24	-36.24	-38.16
QUAL	13	22	23	23	23	12	13	13

Table III.—Continued

PASS 1396 AT SÜLANT, 63 1 9								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	134136	134212	134247	134322	134358	134433	134509	134604
1000	0.290	0.290	0.270	0.264	0.268	0.263	0.249	0.232
950	0.311	0.309	0.293	0.283	0.287	0.283	0.270	0.253
900	0.334	0.334	0.320	0.310	0.312	0.308	0.298	0.281
850	0.364	0.370	0.357	0.347	0.342	0.339	0.333	0.316
800	0.404	0.417	0.403	0.392	0.383	0.380	0.377	0.357
750	0.465	0.477	0.461	0.448	0.438	0.435	0.434	0.408
700	0.547	0.561	0.538	0.529	0.512	0.506	0.505	0.478
650	0.694	0.680	0.643	0.636	0.616	0.601	0.603	0.569
600	0.931	0.843	0.805	0.794	0.790	0.736	0.750	0.703
550	1.240	1.115	1.061	1.040	1.036	0.950	0.960	0.902
500	1.706	1.552	1.494	1.460	1.424	1.291	1.308	1.223
450	2.663	2.349	2.263	2.175	2.120	1.810	1.851	1.705
400	4.143	3.709	3.533	3.307	3.253	2.075	2.743	2.401
350	5.935	5.512	5.292	4.928	4.950		4.246	3.406
300					7.219		6.021	4.685
HEIGHT	SCALE HEIGHT, KM							
	134136	134212	134247	134322	134358	134433	134509	134604
950	713.1	694.9	579.2	627.0	648.4	637.1	552.4	517.3
900	631.5	574.4	509.2	511.2	569.6	555.7	488.4	463.7
850	524.2	481.1	446.1	427.0	492.9	481.8	433.1	417.3
800	427.0	404.2	394.1	389.5	412.5	413.5	383.2	386.2
750	355.1	343.9	354.0	345.6	345.3	351.4	346.3	351.6
700	271.1	287.9	305.3	287.9	297.2	312.2	308.2	308.3
650	195.6	245.7	250.6	249.3	251.6	272.0	256.1	260.1
600	178.3	211.5	208.3	211.0	211.4	230.4	221.9	222.4
550	160.7	175.3	168.7	171.5	176.0	181.8	189.7	188.7
500	133.4	138.2	136.0	137.2	143.1	154.7	154.4	159.4
450	115.6	114.0	112.2	123.3	121.8	140.8	137.4	149.8
400	118.0	112.1	119.3	116.2	115.1	115.7	118.9	145.0
350	218.4	153.3	136.4	140.8	123.9		125.0	146.2
300					177.9		183.5	195.2
LONG	-60.38	-59.94	-59.47	-58.96	-58.41	-57.79	-57.11	-55.92
LAT	-40.11	-42.09	-44.01	-45.94	-47.91	-49.82	-51.78	-54.76
QUAL	22	13	21	13	13	23	22	13

Table III.—Continued

PASS 1396 AT SOLANT, 63 1 9								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	134640	134715	134750	134826	134901	134937	135012	135047
1000	0.226	0.207	0.199	0.208	0.201	0.189	0.181	0.179
950	0.251	0.231	0.224	0.230	0.222	0.212	0.202	0.198
900	0.279	0.262	0.253	0.257	0.251	0.240	0.230	0.224
850	0.313	0.303	0.286	0.291	0.289	0.275	0.264	0.250
800	0.356	0.348	0.325	0.332	0.332	0.317	0.302	0.292
750	0.411	0.401	0.375	0.379	0.381	0.368	0.346	0.334
700	0.482	0.471	0.436	0.444	0.447	0.436	0.407	0.394
650	0.576	0.566	0.519	0.526	0.543	0.524	0.484	0.467
600	0.702	0.703	0.646	0.640	0.683	0.650	0.595	0.569
550	0.886	0.895	0.821	0.805	0.861	0.812	0.753	0.721
500	1.179	1.178	1.085	1.055	1.076	1.065	0.992	0.944
450	1.594	1.609	1.478	1.410	1.451	1.428	1.340	1.257
400	2.162	2.223	2.037	1.923	2.028	1.924	1.824	1.703
350	3.030	3.054	2.844		2.762		2.496	2.329
300	4.124		3.842		3.694		3.455	
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	469.3	429.6	423.3	470.5	442.7	414.1	415.5	440.9
900	442.5	388.9	409.3	430.0	403.0	389.7	387.8	408.3
850	411.5	359.7	391.2	395.8	373.6	362.4	366.8	379.2
800	369.9	349.1	369.2	370.1	355.2	336.5	355.5	358.8
750	334.2	333.1	342.9	346.5	329.1	316.2	341.7	337.4
700	305.1	296.4	313.1	316.5	276.5	284.3	306.7	309.7
650	271.2	244.2	249.9	280.1	249.1	252.9	261.3	280.8
600	234.0	223.7	228.3	233.5	237.3	232.2	228.1	234.2
550	196.8	200.5	205.7	204.0	225.5	210.7	206.5	200.6
500	170.8	173.6	169.9	184.2	213.7	185.5	178.6	183.3
450	165.6	160.1	160.7	169.5	154.4	171.5	165.8	172.1
400	156.5	156.0	153.8	159.8	156.9	171.2	160.7	163.2
350	152.6	165.7	157.0		167.7		157.0	163.3
300	198.2		193.5		177.7		172.1	
LONG	-54.99	-53.99	-52.89	-51.54	-50.14	-48.31	-46.34	-43.99
LAT	-56.69	-58.57	-60.44	-62.33	-64.17	-66.03	-67.82	-69.58
QUAL	21	23	23	13	12	23	21	23

Table III. —Continued

PASS 1396 AT SOLANT, 63 1 9	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	135123
1000	0.163
950	0.164
900	0.208
850	0.237
800	0.272
750	0.315
700	0.371
650	0.443
600	0.537
550	0.670
500	0.823
450	1.144
400	1.560
350	2.262
300	3.048
HEIGHT	SCALE HEIGHT, KM
950	399.2
900	388.1
850	377.0
800	350.3
750	322.1
700	299.5
650	270.9
600	240.8
550	220.2
500	195.3
450	164.0
400	156.6
350	151.5
300	158.8
LONG	-41.64
LAT	-71.33
QUAL	22

Table III.—Continued

PASS 1431 AT RESULT, 63 112								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	23009	23029	23109	23127	23144	23202	23220	23237
1000	0.017	0.016	0.078	0.014	0.029	0.017	0.018	0.018
950	0.020	0.019	0.084	0.018	0.032	0.024	0.024	0.023
900	0.022	0.022	0.087	0.021	0.035	0.028	0.028	0.026
850	0.025	0.026	0.092	0.024	0.039	0.033	0.033	0.028
800	0.029	0.032	0.099	0.031	0.045	0.041	0.038	0.036
750	0.035	0.040	0.124	0.041	0.054	0.051	0.043	0.057
700	0.045	0.053	0.168	0.055	0.074	0.064	0.052	0.077
650	0.058	0.071	0.198	0.074	0.099	0.082	0.065	0.091
600	0.078	0.099	0.266	0.107	0.134	0.107	0.085	0.102
550	0.112	0.144	0.371	0.156	0.187	0.145	0.114	0.182
500	0.160	0.209	0.493	0.230	0.253	0.212	0.170	0.315
450	0.230	0.315	0.617	0.338	0.335	0.335	0.250	0.414
400	0.326	0.460	0.754	0.490	0.482	0.490	0.335	0.502
350	0.443		0.949	0.680	0.667	0.702	0.449	0.634
300	0.562			0.901	0.889	0.956		0.824
HEIGHT	SCALE HEIGHT, KM							
	1083.9				512.5			
950								
900	484.8	333.4	1004.2	362.5	454.7	270.3	309.1	476.6
850	385.6	266.5	783.8	271.8	397.2	256.7	335.1	444.3
800	312.1	235.1	563.4	215.5	339.8	242.1	329.9	259.2
750	255.4	205.4	349.0	190.2	285.4	225.5	306.0	215.7
700	215.3	184.1	214.1	169.5	241.3	211.1	258.7	204.2
650	182.4	163.0	214.6	153.0	197.2	198.4	219.1	203.7
600	158.8	142.5	205.8	143.3	165.5	177.3	191.1	203.3
550	147.8	136.6	196.1	136.1	164.7	150.9	140.2	178.8
500	141.3	132.3	200.0	130.3	164.0	121.9	139.3	151.3
450	141.7	127.7	214.9	136.3	163.4	123.1	152.7	176.7
400	153.8	136.2	228.7	151.4	164.3	134.5	168.7	202.0
350	185.5		217.2	167.4	165.9	167.2	170.9	208.6
300	361.0			184.9	183.0	217.6		206.9
LONG	-63.87	-62.75	-60.32	-58.97	-57.70	-56.29	-54.45	-52.70
LAT	65.64	66.68	68.73	69.63	70.49	71.38	72.23	73.04
QUAL	32	33	33	33	33	33	33	33

Table III. —Continued

PASS 1431 AT RESLUT, 63 112							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	23255	23406	23702	23738	23756	23813	23849
1000	0.026	0.010	0.024	0.080	0.085	0.114	0.084
950	0.029	0.012	0.030	0.090	0.095	0.122	0.089
900	0.030	0.014	0.034	0.101	0.107	0.136	0.096
850	0.031	0.015	0.039	0.114	0.123	0.158	0.112
800	0.034	0.017	0.045	0.128	0.143	0.183	0.141
750	0.040	0.019	0.055	0.144	0.167	0.212	0.182
700	0.049	0.022	0.068	0.165	0.195	0.246	0.235
650	0.067	0.027	0.088	0.193	0.226	0.284	0.292
600	0.094	0.034	0.114	0.226	0.262	0.359	0.352
550	0.133	0.043	0.154	0.265	0.301	0.465	0.420
500	0.187	0.062	0.215	0.335	0.344	0.593	0.495
450	0.270	0.096	0.301	0.429	0.455	0.764	0.620
400	0.394	0.148	0.420	0.589	0.589	0.968	0.880
350	0.558	0.224	0.598	0.874	0.876		1.199
300	0.733	0.340	0.837	1.494	1.289		1.565
HEIGHT	SCALE HEIGHT, KM						
950				422.3	407.8	592.5	790.4
900		442.4	393.4	419.2	389.9	491.0	495.2
850	1187.0	444.5	331.5	412.7	373.0	389.4	399.1
800	476.6	406.7	295.9	393.2	356.1	348.1	352.6
750	299.4	343.1	260.3	373.7	340.3	327.0	306.2
700	209.9	300.3	231.1	351.0	329.7	305.9	259.7
650	156.0	257.8	208.5	326.1	319.2	284.8	246.2
600	152.5	219.1	185.4	301.2	308.7	259.8	242.1
550	147.9	177.0	160.2	276.4	298.2	233.5	238.1
500	141.8	128.2	154.1	236.3	267.6	207.1	234.1
450	136.9	114.1	152.5	193.5	227.1	216.4	221.5
400	138.7	121.8	146.0	153.3	166.6	226.9	191.0
350	163.9	122.7	153.8	116.2	143.9		177.0
300	197.4	120.0	167.3	70.5	136.5		198.6
LONG	-50.85	-40.39	8.44	19.79	25.47	29.91	38.72
LAT	73.88	76.89	80.44	79.92	79.66	79.21	78.15
QUAL	33	33	33	23	33	33	33

Table III.—Continued

PASS 1437 AT AGASTA, 63 112								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	133837	133912	133948	134023	134058	134134	134209	134244
1000	0.231	0.239	0.236	0.249	0.243	0.250	0.248	0.255
950	0.249	0.255	0.252	0.267	0.261	0.265	0.267	0.277
900	0.268	0.274	0.272	0.289	0.284	0.286	0.291	0.301
850	0.288	0.299	0.298	0.314	0.310	0.316	0.318	0.332
800	0.313	0.329	0.329	0.342	0.339	0.349	0.357	0.372
750	0.354	0.369	0.368	0.385	0.385	0.395	0.406	0.429
700	0.407	0.424	0.419	0.442	0.451	0.486	0.480	0.502
650	0.474	0.505	0.491	0.536	0.546	0.608	0.574	0.604
600	0.554	0.628	0.625	0.697	0.720	0.784	0.762	0.789
550	0.759	0.823	0.874	0.974	1.031	1.064	1.069	1.123
500	1.085	1.151	1.251	1.430	1.626	1.655	1.636	1.781
450	1.726	1.867	2.082	2.478	2.779	2.861	2.789	2.990
400	2.899	3.240	3.471	4.124	4.788	4.789	4.590	4.810
350	5.212	5.769	5.841	6.398	6.960	6.762	6.584	
300	8.963	8.913						
HEIGHT	SCALE HEIGHT, KM							
	674.1	703.6	699.3	661.1	638.6	748.3	639.9	588.9
950								
900	644.0	629.4	605.2	595.1	566.5	573.4	564.3	545.2
850	593.9	580.3	531.2	549.6	516.4	471.5	484.6	465.6
800	522.3	476.6	480.6	504.0	466.3	415.9	420.1	394.7
750	387.1	395.6	417.8	418.8	397.8	355.8	355.6	350.1
700	331.7	338.9	348.6	318.6	317.8	284.9	298.3	305.5
650	293.8	270.3	276.5	239.5	229.2	218.3	241.3	251.2
600	255.9	210.6	179.3	183.2	167.4	187.4	180.0	168.7
550	180.1	176.9	148.3	146.0	130.4	142.9	136.6	129.6
500	127.4	132.4	121.0	112.1	99.4	101.0	102.8	100.4
450	100.8	92.5	99.0	91.1	90.9	93.3	96.4	98.0
400	86.8	86.9	95.6	105.1	101.0	109.9	113.8	125.4
350	89.7	93.4	108.1	154.0	256.6	247.2	243.9	
300	104.3	214.8						
LONG	-72.28	-72.08	-71.89	-71.69	-71.48	-71.26	-71.04	-70.81
LAT	-8.05	-10.02	-12.04	-14.00	-15.97	-17.98	-19.94	-21.90
QUAL	23	33	23	23	22	23	23	22

Table III. —Continued

PASS 1437 AT AGASTA, 63 112								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	134320	134353	134431	134506	134542	134617	134652	134728
1000	0.252	0.255	0.238	0.243	0.243	0.242	0.238	0.239
950	0.272	0.278	0.261	0.266	0.265	0.268	0.261	0.258
900	0.304	0.306	0.290	0.294	0.294	0.298	0.294	0.291
850	0.340	0.339	0.328	0.330	0.331	0.333	0.337	0.327
800	0.376	0.377	0.373	0.377	0.375	0.375	0.384	0.366
750	0.422	0.440	0.430	0.443	0.436	0.430	0.438	0.436
700	0.494	0.527	0.510	0.530	0.522	0.511	0.523	0.529
650	0.597	0.639	0.615	0.648	0.642	0.617	0.637	0.652
600	0.769	0.788	0.778	0.817	0.813	0.781	0.792	0.806
550	1.035	1.031	1.019	1.083	1.078	1.028	1.020	1.061
500	1.497	1.486	1.425	1.563	1.516	1.438	1.415	1.508
450	2.519	2.377	2.194	2.407	2.329	2.150	2.137	2.226
400	4.240	3.991	3.558	3.737	3.672	3.297	3.363	3.382
350	6.457	5.893	5.228	5.301	5.278	4.872	5.031	5.069
300								
HEIGHT	SCALE HEIGHT, KM							
	564.5	541.8	490.5	509.5	512.7	486.1	474.7	564.2
950	475.9	497.1	451.7	456.9	463.4	458.2	474.3	457.0
900	444.1	442.6	418.8	401.4	413.3	420.4	380.7	400.8
850	427.2	387.4	368.5	343.6	360.0	379.2	357.4	353.2
800	383.8	341.1	318.6	306.0	313.7	330.5	334.0	312.0
750	293.5	296.3	284.1	274.2	272.0	290.3	281.8	270.9
700	230.4	254.5	249.1	241.2	235.1	246.0	241.8	239.1
650	193.3	218.2	211.4	206.3	202.8	208.9	217.9	213.4
600	158.0	170.7	172.9	162.7	168.0	171.3	183.5	168.9
550	118.6	125.0	136.1	126.8	132.9	138.8	140.0	137.1
500	92.2	97.8	103.9	113.1	111.4	118.1	110.6	124.7
450	101.5	105.4	114.1	125.2	120.5	118.4	115.9	117.4
400	236.7	210.7	177.4	187.9	173.3	161.7	145.9	141.1
350								
300								
LONG	-70.57	-70.33	-70.04	-69.77	-69.46	-69.14	-68.81	-68.43
LAT	-23.91	-25.75	-27.87	-29.81	-31.82	-33.76	-35.70	-37.69
QUAL	22	23	22	23	23	23	23	23

Table III.—Continued

PASS 1437 AT AGASTA, 63 112						
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)						
HEIGHT	TIME (UT)					
	134804	134839	134915	134950	135025	135043
1000	0.225	0.214	0.233	0.225	0.264	0.241
950	0.246	0.234	0.254	0.248	0.284	0.263
900	0.275	0.261	0.281	0.273	0.309	0.289
850	0.311	0.293	0.316	0.304	0.340	0.320
800	0.354	0.336	0.361	0.342	0.376	0.363
750	0.404	0.391	0.418	0.390	0.430	0.415
700	0.472	0.467	0.494	0.460	0.501	0.479
650	0.575	0.566	0.589	0.546	0.600	0.554
600	0.760	0.720	0.745	0.689	0.750	0.684
550	1.019	0.936	0.955	0.887	0.958	0.887
500	1.395	1.281	1.320	1.205	1.289	1.212
450	2.101	1.899	1.959	1.726	1.943	1.678
400	3.223	2.977	3.086	2.633	2.844	2.510
350	5.029	4.745	4.800	4.226	4.388	3.913
300	7.178	7.071	7.428	6.784	6.480	5.902
HEIGHT	SCALE HEIGHT, KM					
	493.3	490.2	523.9	511.4	616.1	524.5
950	493.3	490.2	523.9	511.4	616.1	524.5
900	447.0	447.2	461.7	475.8	557.2	486.0
850	409.9	404.2	406.3	435.8	492.2	447.7
800	380.1	357.9	361.3	393.4	425.8	410.8
750	350.4	310.6	322.2	350.4	370.7	374.0
700	296.9	272.8	289.7	305.9	317.2	333.2
650	205.1	237.0	257.1	261.3	269.7	291.1
600	183.0	209.5	221.8	222.5	231.6	234.2
550	167.1	179.9	185.0	185.3	193.4	182.3
500	143.3	146.4	143.6	153.6	157.3	158.0
450	113.7	120.8	117.0	133.2	128.2	142.8
400	119.3	104.0	111.2	107.6	114.4	116.9
350	118.8	119.8	112.1	112.4	120.0	116.5
300	185.1	131.3	126.4	118.5	137.3	130.0
LONG	-68.03	-67.61	-67.14	-66.65	-66.10	-65.81
LAT	-39.08	-41.60	-43.58	-45.51	-47.43	-48.41
QUAL	33	33	33	22	33	33

Table III.—Continued

PASS 1437 AT SOLANT, 63 112							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	134357	134432	134507	134543	134654	134729	134805
1000	0.217	0.217	0.216	0.212	0.209	0.201	0.182
950	0.239	0.238	0.238	0.234	0.226	0.215	0.204
900	0.263	0.265	0.263	0.260	0.249	0.250	0.228
850	0.293	0.298	0.297	0.292	0.287	0.315	0.258
800	0.334	0.340	0.339	0.335	0.345	0.365	0.294
750	0.384	0.394	0.397	0.391	0.410	0.407	0.344
700	0.455	0.465	0.473	0.463	0.478	0.443	0.408
650	0.553	0.569	0.581	0.571	0.573	0.523	0.500
600	0.695	0.723	0.742	0.736	0.724	0.704	0.639
550	0.931	0.951	0.987	0.973	0.943	0.928	0.859
500	1.357	1.340	1.409	1.383	1.397	1.339	1.236
450	2.175	2.134	2.175	2.102	2.423	2.027	1.928
400	3.873	3.608	3.537	3.433	4.201	3.222	3.152
350	5.915	5.451	5.295	5.200			4.460
300							6.694
HEIGHT	SCALE HEIGHT, KM						
	507.7	490.2	500.1	486.6	541.9	592.4	430.1
950	507.7	490.2	500.1	486.6	541.9	592.4	430.1
900	469.9	447.2	443.9	441.5	453.7	417.7	419.0
850	421.3	405.5	401.5	395.4	381.5	322.9	387.2
800	377.0	365.5	359.0	353.4	317.4	324.8	352.8
750	332.3	320.5	312.4	312.8	294.7	326.7	314.3
700	284.2	275.7	266.7	272.6	287.8	328.6	274.7
650	240.8	235.8	227.1	213.4	247.1	258.6	230.1
600	203.9	200.0	196.1	189.3	198.8	166.5	189.4
550	154.4	166.3	159.6	165.8	170.0	159.4	157.0
500	125.9	132.5	130.7	140.4	108.4	135.0	128.6
450	95.2	97.0	107.8	108.9	87.4	116.2	107.7
400	90.4	100.2	105.0	101.8	106.8	102.0	101.6
350	216.6	201.5	178.7	172.3			132.9
300							172.0
LONG	-70.30	-70.03	-69.76	-69.45	-68.79	-68.42	-68.02
LAT	-25.97	-27.92	-29.87	-31.87	-35.81	-37.74	-39.73
QUAL	22	22	22	22	23	23	23

Table III.—Continued

PASS 1437 AT SULANT, 63 112							
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)							
HEIGHT	TIME (UT)						
	134916	134951	135027	135102	135119	135155	135231
1000	0.177	0.191	0.245	0.250	0.242	0.236	0.234
950	0.198	0.211	0.262	0.271	0.263	0.253	0.259
900	0.221	0.233	0.284	0.297	0.288	0.273	0.285
850	0.250	0.259	0.313	0.331	0.318	0.302	0.318
800	0.286	0.293	0.349	0.373	0.355	0.338	0.359
750	0.332	0.335	0.397	0.425	0.408	0.386	0.411
700	0.393	0.390	0.470	0.491	0.475	0.443	0.474
650	0.478	0.462	0.569	0.587	0.560	0.522	0.547
600	0.596	0.561	0.712	0.730	0.701	0.627	0.681
550	0.785	0.722	0.901	0.927	0.907	0.777	0.864
500	1.095	0.949	1.255	1.258	1.195	1.005	1.151
450	1.630	1.324	1.820	1.788	1.653	1.321	1.565
400	2.618	1.998	2.742	2.623	2.326	1.806	2.133
350	4.295		4.344	4.015	3.339	2.554	2.895
300	7.102		6.792	6.093	4.808	3.733	
HEIGHT	SCALE HEIGHT, KM						
	447.9	514.2	654.6	568.9	577.4	647.4	508.3
950							
900	419.1	476.6	575.8	501.9	523.8	564.0	478.3
850	388.5	437.9	511.3	448.2	462.0	485.6	433.0
800	356.8	398.4	426.4	402.1	401.8	414.2	378.0
750	321.2	358.6	343.0	368.7	369.6	376.2	352.3
700	280.1	318.2	296.8	315.5	337.3	338.2	326.7
650	238.3	275.6	252.9	251.2	251.4	299.1	301.1
600	206.4	230.4	222.1	226.6	221.5	259.5	245.4
550	172.4	201.0	189.3	198.1	194.2	226.8	197.1
500	140.0	175.5	143.9	154.8	169.9	201.9	171.4
450	118.3	136.5	133.4	138.9	153.8	178.0	164.5
400	101.9	118.7	116.9	126.0	142.2	156.0	162.5
350	98.8		105.1	114.0	137.0	140.8	173.6
300	111.9		132.0	151.2	149.9	128.4	
LONG	-67.13	-66.64	-66.07	-65.49	-65.16	-64.47	-63.65
LAT	-43.64	-45.56	-47.54	-49.45	-50.38	-52.34	-54.28
QUAL	23	23	33	23	23	33	23

Table III.—Continued

PASS 1437 AT SOLANT, 62 112							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	135248	135323	135341	135450	135545	135621	135656
1000	0.228	0.213	0.188	0.182	0.114	0.113	0.111
950	0.249	0.232	0.206	0.199	0.129	0.127	0.125
900	0.275	0.258	0.228	0.221	0.147	0.145	0.141
850	0.308	0.294	0.256	0.248	0.169	0.165	0.161
800	0.349	0.337	0.292	0.283	0.194	0.188	0.185
750	0.397	0.383	0.336	0.326	0.223	0.215	0.212
700	0.463	0.435	0.390	0.385	0.261	0.251	0.250
650	0.550	0.519	0.460	0.466	0.309	0.298	0.297
600	0.677	0.631	0.550	0.571	0.378	0.367	0.359
550	0.840	0.788	0.684	0.738	0.467	0.453	0.451
500	1.139	1.054	0.865	0.964	0.609	0.579	0.584
450	1.577	1.452	1.131	1.322	0.805	0.787	0.773
400	2.130	1.962	1.537	1.799	1.081	1.027	1.029
350	2.904	2.689	2.076	2.399	1.442	1.333	1.369
300	3.751	3.551	2.695		1.913	1.801	1.810
HEIGHT	SCALE HEIGHT, KM						
	524.5	525.7	509.6	501.2	380.3	396.0	404.6
950	524.5	525.7	509.6	501.2	380.3	396.0	404.6
900	475.0	452.9	460.2	455.1	372.0	384.9	335.4
850	426.8	407.0	417.3	408.9	364.6	373.9	367.2
800	391.0	375.2	379.4	367.7	350.9	362.8	350.4
750	357.3	357.6	349.7	327.6	336.1	347.3	333.5
700	312.2	339.1	319.9	292.6	307.5	304.4	307.6
650	265.0	287.3	239.8	260.8	271.5	269.6	279.5
600	236.2	241.0	260.2	230.1	243.7	251.5	249.2
550	207.1	204.2	231.9	204.6	217.0	233.4	215.3
500	162.5	171.3	204.2	178.0	199.5	173.6	191.2
450	162.4	160.0	177.7	161.0	184.4	181.4	178.0
400	164.1	162.4	166.4	168.4	170.4	192.1	177.5
350	176.3	166.1	179.0	182.0	176.1	179.8	179.6
300	229.5	233.1	193.6		167.6	147.6	176.0
LONG	-63.26	-62.34	-61.83	-59.57	-57.26	-55.41	-53.43
LAT	-55.20	-57.08	-58.05	-61.72	-64.60	-66.46	-68.26
QUAL	22	22	23	33	22	23	22

Table III. —Continued

PASS 1443 AT QUITOE, 63 113		
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)		
HEIGHT	TIME (UT)	
	10024	10059
1000	0.113	0.190
950	0.126	0.203
900	0.138	0.215
850	0.151	0.231
800	0.166	0.260
750	0.184	0.306
700	0.215	0.376
650	0.277	0.474
600	0.395	0.727
550	0.616	1.144
500	1.230	1.941
450	2.905	
400	6.166	
350	8.836	
300		
HEIGHT	SCALE HEIGHT, KM	
	546.1	954.7
950	546.1	954.7
900	545.2	743.6
850	526.2	577.6
800	485.5	419.4
750	400.0	278.6
700	278.6	229.7
650	177.1	179.9
600	131.3	115.8
550	98.8	105.5
500	66.0	87.4
450	58.3	
400	97.8	
350	233.2	
300		
LONG	-66.12	-65.94
LAT	-6.61	-4.63
QUAL	23	23

Table III.—Continued

PASS 1444 AT FIMYRS, 63 113					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	10820	11005	11058	11133	11209
1000	0.187	0.142	0.126	0.110	0.117
950	0.211	0.156	0.136	0.125	0.131
900	0.222	0.167	0.144	0.130	0.139
850	0.233	0.179	0.154	0.136	0.146
800	0.247	0.189	0.160	0.142	0.153
750	0.264	0.197	0.166	0.150	0.163
700	0.286	0.205	0.176	0.161	0.175
650	0.322	0.217	0.191	0.174	0.192
600	0.391	0.235	0.209	0.190	0.212
550	0.542	0.257	0.230	0.207	0.241
500	0.818	0.283	0.276	0.227	0.297
450	1.284	0.329	0.342	0.323	0.370
400	1.909	0.421	0.438	0.447	0.481
350		0.552	0.603	0.577	0.647
300			0.823	0.781	
HEIGHT	SCALE HEIGHT, KM				
950					
900	1012.7			1163.3	
850	915.9			1128.0	1031.1
800	807.3	1082.0		999.6	912.7
750	683.5	1128.4	1149.6	829.8	771.6
700	556.8	1004.4	825.7	639.8	630.4
650	367.8	818.9	561.5	575.7	535.4
600	210.7	587.5	486.1	511.7	441.1
550	147.9	506.9	410.0	447.6	356.5
500	120.3	426.9	300.3	383.6	295.3
450	115.6	325.9	222.8	255.7	234.1
400	152.8	195.8	183.1	176.5	186.5
350		176.6	159.7	179.3	137.4
300			174.2	168.1	
LONG	-63.46	-62.72	-62.31	-62.00	-61.68
LAT	20.29	26.21	29.20	31.16	33.19
QUAL	33	33	32	32	33

Table III. —Continued

PASS 1458 AT RESLUT, 63 114								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	15913	15932	15954	20005	20101	20118	20154	20226
1000	0.011	0.017	0.018	0.012	0.021	0.056	0.064	0.069
950	0.014	0.021	0.021	0.015	0.025	0.059	0.069	0.073
900	0.016	0.023	0.023	0.018	0.029	0.061	0.071	0.076
850	0.018	0.026	0.024	0.021	0.034	0.065	0.074	0.080
800	0.020	0.029	0.027	0.024	0.040	0.071	0.079	0.085
750	0.022	0.033	0.030	0.028	0.048	0.080	0.088	0.094
700	0.026	0.038	0.035	0.033	0.058	0.096	0.102	0.106
650	0.031	0.045	0.040	0.039	0.072	0.118	0.122	0.123
600	0.042	0.057	0.046	0.045	0.088	0.147	0.148	0.147
550	0.056	0.076	0.054	0.052	0.112	0.191	0.183	0.177
500	0.078	0.099	0.065	0.059	0.151	0.253	0.231	0.220
450	0.113	0.138	0.085	0.072	0.199	0.339	0.289	0.280
400	0.156	0.188	0.130	0.096	0.283	0.428		0.360
350	0.259	0.250	0.204	0.147	0.394	0.539		0.471
300	0.441	0.378	0.364	0.236	0.567	0.703		0.634
HEIGHT	SCALE HEIGHT, KM							
950					352.4	1496.8	1505.8	1313.2
900	511.6		551.8	316.7	329.9	1041.2	1449.0	1036.3
850	516.4	465.1	524.8	321.1	308.3	728.0	909.3	1024.7
800	444.7	400.6	473.6	322.7	284.8	536.1	701.1	758.2
750	383.0	361.2	422.4	325.0	248.5	378.8	493.0	609.6
700	321.2	321.7	391.4	327.9	240.6	310.0	299.2	460.9
650	265.0	282.3	363.1	330.9	232.7	247.0	266.9	359.7
600	222.9	245.5	334.8	325.3	224.8	207.2	245.1	313.7
550	180.7	210.2	291.6	319.5	210.3	191.5	227.0	267.7
500	153.8	174.9	242.4	313.7	186.5	189.2	235.4	236.3
450	142.3	164.1	146.2	231.0	162.8	202.8	248.8	213.5
400	130.7	156.1	108.7	143.8	154.4	212.5		193.1
350	115.7	148.1	101.8	115.9	146.3	205.7		175.5
300	108.8	119.9	90.4	122.6	137.8	160.4		162.1
LUNG	-63.11	-59.47	-58.30	-57.42	-53.66	-52.03	-48.58	-44.50
LAT	62.03	66.18	67.33	68.04	70.71	71.52	73.25	74.68
QUAL	23	33	33	33	33	33	33	33

Table III.—Continued

PASS 1458 AT RESLUT, 63 114						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	20318	20340	20452	20508	20712	20730
1000	0.068	0.070	0.086	0.065	0.070	0.081
950	0.073	0.074	0.093	0.069	0.079	0.089
900	0.079	0.077	0.100	0.073	0.086	0.092
850	0.088	0.081	0.113	0.078	0.096	0.099
800	0.098	0.089	0.130	0.094	0.106	0.107
750	0.112	0.100	0.151	0.112	0.118	0.115
700	0.129	0.118	0.177	0.125	0.133	0.127
650	0.151	0.144	0.214	0.144	0.153	0.153
600	0.177	0.179	0.268	0.181	0.180	0.188
550	0.206	0.223	0.347	0.229	0.216	0.226
500	0.259	0.276	0.443	0.286	0.273	0.267
450	0.327	0.356		0.371	0.354	0.351
400	0.410	0.447		0.472	0.463	0.570
350	0.515	0.545			0.616	0.803
300	0.658				0.786	
HEIGHT	SCALE HEIGHT, KM					
	678.0	1474.9	609.7	912.0	513.3	1176.5
950	543.7	1182.0	493.7	733.5	509.4	982.3
900	465.0	715.3	442.6	555.6	481.3	708.2
800	410.2	524.1	393.3	390.2	470.4	597.8
750	363.9	402.2	343.5	325.7	440.9	529.0
700	335.4	312.7	291.1	323.7	381.3	455.9
650	317.2	240.2	250.1	306.0	336.0	374.7
600	299.0	233.4	216.1	266.5	298.5	293.4
550	280.9	229.2	214.1	227.9	256.8	261.7
500	261.4	225.0	242.9	209.1	206.4	240.6
450	241.7	224.4		207.0	199.5	160.4
400	224.0	241.9		227.0	181.0	123.5
350	231.5	268.2			193.7	147.9
300	280.8				208.6	
LONG	-36.46	-32.23	-14.52	-9.77	29.98	34.67
LAT	76.85	77.67	79.75	80.03	78.91	78.66
QUAL	33	32	32	32	33	33

Table III.—Continued

PASS 1464 AT RESLUT, 63 114								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	123826	124019	124258	124316	124332	124351	124520	124538
1000	0.063	0.071	0.173	0.172	0.137	0.081	0.078	0.061
950	0.066	0.076	0.182	0.182	0.147	0.085	0.084	0.067
900	0.070	0.081	0.202	0.196	0.159	0.092	0.091	0.074
850	0.072	0.088	0.220	0.215	0.173	0.101	0.098	0.084
800	0.075	0.096	0.242	0.239	0.192	0.111	0.107	0.092
750	0.085	0.104	0.268	0.266	0.221	0.127	0.117	0.104
700	0.097	0.114	0.304	0.306	0.259	0.150	0.137	0.120
650	0.111	0.129	0.356	0.359	0.312	0.184	0.164	0.140
600	0.125	0.151	0.436	0.441	0.384	0.233	0.199	0.170
550	0.155	0.186	0.545		0.470	0.298	0.242	0.209
500	0.198	0.241	0.683		0.577	0.380	0.293	0.256
450	0.257	0.328				0.459	0.369	0.337
400	0.377	0.441					0.499	0.448
350	0.583						0.702	0.698
300								
HEIGHT	SCALE HEIGHT, KM							
	1162.2	917.7	692.4	791.6	660.7	875.9	664.2	535.7
950	1162.2	917.7	692.4	791.6	660.7	875.9	664.2	535.7
900	1265.7	695.6	536.8	607.1	602.0	605.5	638.0	443.1
850	1230.1	592.1	556.1	509.3	533.7	501.5	593.1	422.3
800	809.2	599.6	506.5	470.9	419.0	444.6	509.6	416.1
750	566.1	559.6	433.8	410.7	340.6	355.3	426.1	386.0
700	385.1	479.2	361.4	344.8	303.4	274.5	373.7	344.0
650	349.4	379.5	292.3	291.6	273.0	232.8	325.2	302.1
600	313.7	289.6	235.5	214.4	250.2	214.2	276.8	273.9
550	261.4	221.7	225.9		246.1	216.6	255.5	249.1
500	206.1	177.9	233.6		258.2	241.8	236.3	224.2
450	164.2	165.4				270.9	200.9	194.6
400	122.8	180.4					158.0	158.3
350	125.4						149.4	54.9
300								
LONG	-166.02	-130.00	-98.70	-97.05	-95.47	-93.60	-87.30	-86.33
LAT	80.09	79.58	73.66	73.01	72.24	71.34	66.85	65.92
QUAL	33	33	33	33	31	33	33	33

Table III.—Continued

PASS 1464 AT RESLUT, 63 114				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	124535	124603	124631	124648
1000	0.035	0.019	0.042	0.040
950	0.042	0.024	0.049	0.048
900	0.047	0.029	0.054	0.055
850	0.052	0.036	0.060	0.063
800	0.058	0.044	0.067	0.071
750	0.067	0.053	0.074	0.080
700	0.084	0.062	0.083	0.091
650	0.108	0.073	0.098	0.105
600	0.134	0.084	0.118	0.126
550	0.163	0.096	0.144	0.154
500	0.195	0.108	0.178	0.189
450	0.248	0.154	0.229	0.243
400	0.341	0.209	0.313	0.331
350	0.495	0.310		
300	0.710	0.501		
HEIGHT	SCALE HEIGHT, KM			
950		258.3	497.6	
900	463.3	247.6	448.8	367.0
850	490.2	250.2	468.9	380.5
800	396.0	257.7	445.8	386.1
750	333.2	260.0	410.8	372.2
700	294.1	262.3	374.8	358.2
650	255.0	264.6	329.1	324.0
600	239.4	266.9	283.4	269.6
550	235.1	269.1	248.8	244.4
500	230.8	271.4	222.1	224.6
450	196.4	209.4	186.8	189.0
400	148.0	147.7	149.9	153.4
350	135.7	115.8		
300	147.8	105.7		
LONG	-85.40	-85.00	-83.82	-83.11
LAT	65.04	64.62	63.14	62.24
QUAL	33	23	23	11

Table III.—Continued

PASS 1464 AT OTTAWA, 63 114							
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)							
HEIGHT	TIME (UT)						
	125316	125351	125409	125444	125520	125555	125630
1000	0.018	0.042	0.085	0.082	0.099	0.075	0.086
950	0.025	0.051	0.076	0.089	0.110	0.084	0.098
900	0.031	0.061	0.085	0.098	0.118	0.090	0.108
850	0.037	0.071	0.093	0.107	0.130	0.100	0.116
800	0.045	0.081	0.103	0.120	0.144	0.114	0.124
750	0.054	0.094	0.118	0.132	0.160	0.132	0.134
700	0.064	0.108	0.136	0.148	0.179	0.153	0.151
650	0.077	0.127	0.160	0.170	0.203	0.183	0.173
600	0.094	0.150	0.192	0.203	0.235	0.226	0.205
550	0.114	0.184	0.241	0.250	0.282	0.290	0.263
500	0.146	0.227	0.323	0.322	0.384	0.378	0.348
450	0.191	0.307	0.453	0.460	0.509	0.525	0.468
400	0.267	0.413	0.639	0.689	0.647	0.722	0.659
350	0.402	0.627	0.949	1.030	0.964	1.058	0.940
300	0.695	1.031	1.577	1.633	1.595	1.619	1.475
HEIGHT	SCALE HEIGHT, KM						
	125316	125351	125409	125444	125520	125555	125630
950				571.7	623.1	598.1	
900			481.3	537.6	605.6	548.6	
850	269.2	336.4	481.6	505.9	516.1	448.3	748.9
800	275.1	344.7	418.0	488.7	472.9	389.4	666.4
750	280.2	340.9	381.2	472.7	465.6	346.7	583.9
700	281.4	330.7	344.9	391.3	427.9	320.4	362.6
650	259.1	300.9	297.6	330.8	358.2	253.9	336.7
600	246.3	266.4	246.4	283.4	314.2	219.5	231.0
550	233.6	236.5	197.5	229.7	223.5	194.0	191.6
500	205.4	206.7	162.4	170.5	160.9	171.8	173.7
450	169.4	180.1	148.2	135.8	158.3	161.4	157.8
400	134.8	153.4	140.8	129.3	155.7	151.0	149.5
350	113.3	120.0	117.4	119.7	121.2	132.0	129.7
300	84.0	93.4	91.9	100.8	104.9	113.9	110.6
LONG	-74.53	-74.12	-73.91	-73.54	-73.18	-72.86	-72.56
LAT	41.00	39.05	38.05	36.09	34.07	32.12	30.16
QUAL	23	33	33	33	23	22	23

Table III. —Continued

PASS 1464 AT OTTAWA; 83 114			
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-3}$)			
HEIGHT	TIME (UT)		
	125648	125722	125741
1000	0.084	0.086	0.086
950	0.093	0.093	0.096
900	0.102	0.102	0.106
850	0.113	0.114	0.117
800	0.129	0.128	0.131
750	0.148	0.146	0.151
700	0.168	0.169	0.177
650	0.196	0.202	0.208
600	0.234	0.246	0.252
550	0.291	0.309	0.319
500	0.381	0.406	0.420
450	0.522	0.556	0.583
400	0.776	0.772	0.800
350	1.278	1.141	1.168
300	2.025	1.807	1.898
HEIGHT	SCALE HEIGHT, KM		
950	552.0	567.6	475.7
900	500.8	513.1	485.6
850	438.8	465.8	453.4
800	404.3	395.8	400.2
750	379.5	354.3	356.6
700	339.7	317.8	317.8
650	296.5	283.3	290.8
600	259.2	236.0	226.7
550	211.4	201.5	200.1
500	176.4	178.8	177.9
450	145.6	161.0	158.4
400	116.0	146.1	143.7
350	109.6	124.5	124.9
300	115.1	102.6	102.6
LONG	-72.41	-72.14	-72.00
LAT	29.15	27.25	26.18
QUAL	23	22	23

Table III.—Continued

PASS 1464 AT QUITOE, 63 114								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	125758	125834	125909	125945	130020	130055	130131	130237
1000	0.086	0.085	0.094	0.102	0.105	0.124	0.143	0.149
950	0.096	0.094	0.106	0.112	0.116	0.137	0.156	0.162
900	0.107	0.103	0.116	0.123	0.127	0.148	0.169	0.177
850	0.119	0.116	0.129	0.136	0.139	0.161	0.182	0.195
800	0.132	0.131	0.146	0.150	0.153	0.178	0.209	0.216
750	0.150	0.150	0.166	0.168	0.170	0.198	0.242	0.243
700	0.173	0.172	0.189	0.191	0.198	0.227	0.272	0.279
650	0.202	0.198	0.215	0.220	0.234	0.267	0.311	0.324
600	0.240	0.238	0.251	0.260	0.279	0.326	0.383	0.398
550	0.298	0.295	0.316	0.309	0.358	0.412	0.477	0.493
500	0.367	0.382	0.407	0.404	0.466	0.538	0.632	0.659
450	0.516	0.508	0.559	0.567	0.659	0.736	0.856	0.921
400	0.697	0.702	0.787	0.827	0.966	1.065	1.242	1.367
350	0.991	1.001	1.130	1.227	1.483	1.682	1.905	2.151
300	1.548	1.533	1.797	2.069	2.434	2.774	3.063	3.395
HEIGHT	SCALE HEIGHT, KM							
	475.4	513.1	464.7	534.5	596.3	568.9	664.4	584.6
950	475.4	513.1	464.7	534.5	596.3	568.9	664.4	584.6
900	461.5	465.7	489.5	516.1	532.7	586.7	583.5	537.1
850	441.4	426.6	447.1	487.1	497.1	541.2	504.6	490.6
800	416.9	399.3	401.2	453.3	462.3	495.2	444.1	443.0
750	385.2	372.8	373.9	415.2	417.6	434.8	388.8	394.7
700	350.0	347.8	351.5	377.2	345.1	337.9	356.4	345.5
650	311.1	316.5	329.0	337.2	285.5	279.6	317.8	296.9
600	261.6	259.4	277.9	293.6	239.3	237.6	267.3	255.4
550	224.0	220.5	238.8	250.0	207.7	210.1	216.9	213.9
500	194.9	195.4	177.0	182.6	176.1	181.0	184.9	173.0
450	173.7	172.6	154.0	146.6	144.6	149.7	154.1	141.2
400	157.6	152.9	145.0	132.8	127.3	125.6	127.5	119.6
350	131.7	133.1	126.3	113.6	108.0	104.4	110.4	109.5
300	100.6	105.5	94.5	85.2	102.4	105.2	107.7	109.4
LONG	-71.87	-71.61	-71.37	-71.14	-70.93	-70.71	-70.50	-70.14
LAT	25.23	23.21	21.24	19.22	17.26	15.29	13.26	9.55
QUAL	33	33	33	33	32	32	32	33

Table III.—Continued

PASS 1464 AT QUITOE, 63 114								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	130350	130405	130440	130516	130551	130627	130702	130737
1000	0.165	0.171	0.187	0.203	0.233	0.232	0.240	0.246
950	0.178	0.185	0.206	0.226	0.253	0.248	0.263	0.268
900	0.196	0.203	0.224	0.240	0.270	0.262	0.282	0.291
850	0.217	0.225	0.245	0.261	0.289	0.279	0.302	0.316
800	0.239	0.251	0.270	0.283	0.313	0.309	0.323	0.344
750	0.260	0.282	0.300	0.313	0.344	0.351	0.346	0.377
700	0.306	0.322	0.333	0.351	0.391	0.397	0.404	0.413
650	0.361	0.369	0.378	0.399	0.461	0.450	0.478	0.465
600	0.429	0.443	0.450	0.461	0.564	0.509	0.556	0.549
550	0.533	0.549	0.550	0.585	0.707	0.616	0.707	0.684
500	0.719	0.726	0.755	0.808	0.930	0.881	0.938	0.885
450	0.992	1.013	1.082	1.167	1.385	1.228	1.296	1.281
400	1.436	1.541	1.622	1.817	2.041	1.620	1.839	1.863
350	2.258	2.552	2.604	2.964	3.207	2.775		3.013
300	3.728	4.594	4.726	5.238	5.455	4.416		5.426
HEIGHT	SCALE HEIGHT, KM							
	130350	130405	130440	130516	130551	130627	130702	130737
950	603.9	558.8	550.2	585.3		887.3	650.7	616.4
900	519.1	512.8	557.9	599.6	792.3	773.1	689.5	610.0
850	480.1	471.5	531.3	578.1	639.6	636.2	636.7	575.2
800	457.5	440.0	490.7	542.5	561.7	521.5	594.0	538.1
750	414.5	406.4	450.6	473.8	483.8	408.6	531.2	500.7
700	324.9	366.4	410.4	412.6	375.3	375.7	414.3	463.3
650	291.1	324.3	358.5	360.0	281.5	343.5	309.9	397.8
600	260.0	266.8	288.2	295.4	232.7	311.2	261.9	283.0
550	219.5	210.9	219.8	182.9	201.9	253.3	215.7	218.9
500	163.5	175.5	162.0	152.7	162.8	146.1	174.0	173.0
450	148.7	138.4	132.5	125.8	128.3	140.5	150.1	135.7
400	126.1	110.4	117.9	109.8	123.1	123.6	146.3	123.5
350	100.6	92.8	94.0	94.4	101.6	115.8		94.4
300	102.0	84.9	79.4	84.9	86.8	91.6		80.4
LONG	-69.65	-69.66	-69.48	-69.29	-69.11	-68.92	-68.73	-68.54
LAT	6.57	4.60	2.63	0.60	-1.36	-3.38	-5.34	-7.31
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 1464 AT QUITOE, 63 114							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	130813	130848	130924	131034	131110	131225	131300
1000	0.251	0.268	0.271	0.209	0.282	0.296	0.300
950	0.272	0.285	0.293	0.226	0.305	0.330	0.336
900	0.293	0.306	0.315	0.254	0.336	0.365	0.375
850	0.318	0.329	0.340	0.296	0.372	0.405	0.421
800	0.351	0.358	0.371	0.336	0.417	0.453	0.477
750	0.393	0.395	0.412	0.375	0.473	0.516	0.548
700	0.442	0.447	0.464	0.427	0.538	0.599	0.642
650	0.504	0.512	0.529	0.498	0.630	0.731	0.774
600	0.596	0.590	0.608	0.597	0.789	0.912	0.942
550	0.772	0.789	0.850	0.784	1.094	1.233	1.288
500	1.058	1.089	1.192	1.127	1.617	1.848	1.957
450	1.514	1.659	1.800	1.896	2.634	2.956	3.160
400	2.355	2.652	3.001	3.295	4.177	4.581	5.000
350		4.394	5.009	5.376	6.096	6.086	
300		7.622	7.984	7.183			
HEIGHT	SCALE HEIGHT, KM						
	950	900	850	800	750	700	650
950	648.8	733.4	671.3	541.3	568.3	475.1	447.2
900	605.7	676.5	641.9	450.3	504.1	487.2	431.9
850	531.9	625.0	596.7	399.9	454.7	459.6	410.0
800	487.9	535.9	538.6	394.7	412.8	414.2	386.8
750	453.3	452.8	444.3	399.2	381.4	352.2	334.0
700	418.7	397.2	383.5	356.6	350.1	288.8	290.2
650	354.1	341.6	330.0	293.5	289.7	248.6	256.9
600	247.3	285.9	275.4	230.4	191.7	207.4	222.7
550	190.2	202.7	177.8	177.5	150.6	150.0	144.6
500	150.7	140.2	138.5	121.2	114.1	114.4	109.8
450	129.6	110.2	107.1	92.2	102.9	108.3	103.6
400	89.9	105.6	97.1	91.1	116.5	129.8	134.0
350		89.0	98.8	120.6	192.2	364.2	
300		103.0	149.4	294.1			
LONG	-68.55	-68.16	-67.95	-67.54	-67.32	-66.82	-66.58
LAT	-9.33	-11.30	-13.31	-17.24	-19.26	-23.45	-25.40
QUAL	33	33	33	33	33	33	33

Table III.—Continued

PASS 1464 AT SOLANT, 63 114								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	131302	131337	131413	131448	131524	131559	131634	131710
1000	0.299	0.315	0.307	0.305	0.279	0.276	0.264	0.262
950	0.333	0.348	0.345	0.345	0.316	0.313	0.302	0.299
900	0.370	0.387	0.388	0.390	0.361	0.357	0.345	0.341
850	0.414	0.444	0.445	0.452	0.417	0.414	0.402	0.395
800	0.468	0.516	0.515	0.527	0.496	0.489	0.477	0.464
750	0.533	0.606	0.610	0.622	0.595	0.581	0.566	0.555
700	0.620	0.732	0.729	0.762	0.731	0.723	0.685	0.679
650	0.758	0.914	0.893	0.934	0.899	0.915	0.863	0.851
600	0.945	1.212	1.155	1.220	1.136	1.196	1.128	1.096
550	1.306	1.788	1.631	1.741	1.577	1.638	1.565	1.502
500	1.996	2.743	2.490	2.646	2.436	2.373	2.300	2.171
450	3.271	4.261	3.833	4.170	3.820	3.623	3.587	3.325
400	5.208	6.150	5.682	6.176	5.890	5.624	5.474	5.062
350								
300								
HEIGHT	SCALE HEIGHT, KM							
	131302	131337	131413	131448	131524	131559	131634	131710
950	464.9	459.4	417.4	390.2	376.8	386.5	364.3	373.1
900	447.5	407.4	385.6	357.4	349.5	365.3	337.2	352.4
850	424.9	373.5	356.1	334.6	321.6	305.7	319.6	329.1
800	400.1	340.8	326.8	311.8	291.9	285.6	305.2	304.8
750	360.4	286.1	299.0	287.5	262.2	265.6	290.8	262.8
700	280.7	245.1	264.5	255.4	247.6	238.8	238.6	233.9
650	242.4	213.7	217.1	223.4	233.0	209.8	208.3	217.4
600	203.3	157.8	179.3	172.0	188.7	175.6	172.0	184.3
550	139.8	124.0	136.9	132.6	137.0	150.0	144.8	149.5
500	105.3	115.2	115.9	114.9	110.5	126.9	118.7	125.7
450	104.8	120.6	118.3	115.0	111.6	112.0	112.0	112.1
400	137.4	177.8	158.6	138.5	144.2	141.9	150.6	138.0
350								
300								
LONG	-66.56	-66.30	-66.01	-65.72	-65.40	-65.07	-64.70	-64.31
LAT	-25.51	-27.46	-29.46	-31.41	-33.41	-35.35	-37.29	-39.27
QUAL	22	23	33	23	23	22	22	22

Table III. —Continued

PASS 1464 AT SOLANT, 63 114								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	131745	131821	131856	131931	132007	132042	132118	132220
1000	0.268	0.246	0.248	0.256	0.261	0.233	0.224	0.221
950	0.307	0.282	0.275	0.281	0.292	0.264	0.254	0.248
900	0.350	0.324	0.308	0.311	0.328	0.300	0.288	0.281
850	0.406	0.377	0.349	0.356	0.376	0.345	0.329	0.322
800	0.480	0.450	0.438	0.414	0.436	0.404	0.386	0.373
750	0.569	0.540	0.554	0.490	0.511	0.478	0.456	0.440
700	0.710	0.666	0.690	0.585	0.607	0.568	0.539	0.520
650	0.896	0.829	0.845	0.770	0.749	0.708	0.684	0.649
600	1.155	1.077	1.078	1.026	0.955	0.896	0.867	0.818
550	1.581	1.482	1.490	1.399	1.296	1.200	1.146	1.063
500	2.285	2.152	2.122	2.015	1.895	1.743	1.581	1.437
450	3.418	3.290	3.200	3.035	2.864	2.559	2.255	1.985
400	4.932	5.011	5.049	4.691	4.307	3.775	3.296	2.768
350		6.818		6.713	6.082	5.392		3.855
300						6.575		5.107
HEIGHT	SCALE HEIGHT, KM							
	372.3	361.5	435.3	489.4	428.4	390.7	397.4	410.7
950	372.3	361.5	435.3	489.4	428.4	390.7	397.4	410.7
900	344.6	332.9	383.3	430.2	393.8	372.4	371.3	379.6
850	318.4	308.1	331.2	374.6	364.9	327.2	329.5	350.9
800	293.1	287.1	285.0	320.2	336.7	305.4	308.2	322.5
750	267.7	266.2	238.8	279.4	300.0	287.6	286.9	294.5
700	243.6	241.9	225.0	238.7	262.8	268.5	265.5	266.5
650	219.7	216.5	218.5	198.8	230.1	232.0	234.1	240.7
600	179.8	180.5	183.2	170.5	192.1	195.0	202.5	215.2
550	151.1	148.3	150.5	151.1	151.0	156.1	171.7	182.1
500	127.3	124.2	130.8	129.9	126.9	133.3	152.3	162.6
450	129.9	115.8	114.3	116.8	121.8	129.9	135.0	154.6
400	165.0	128.3	117.7	122.6	129.0	135.0	132.9	150.1
350		363.1		228.7	234.0	170.9		159.8
300						945.9		200.3
LONG	-63.90	-63.43	-62.95	-62.41	-61.83	-61.18	-60.44	-58.97
LAT	-41.20	-43.18	-45.11	-47.02	-48.99	-50.91	-52.86	-56.21
QUAL	22	22	23	22	12	22	23	22

Table III. —Continued

PASS 1464 AT SULANT, 63 114								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	132237	132313	132406	132459	132534	132610	132645	132721
1000	0.193	0.172	0.145	0.151	0.148	0.144	0.129	0.093
950	0.221	0.196	0.169	0.172	0.162	0.161	0.144	0.110
900	0.254	0.224	0.198	0.195	0.182	0.181	0.163	0.127
850	0.296	0.259	0.231	0.223	0.209	0.206	0.188	0.146
800	0.349	0.305	0.270	0.257	0.244	0.235	0.218	0.170
750	0.415	0.363	0.319	0.297	0.286	0.271	0.261	0.203
700	0.493	0.438	0.377	0.350	0.335	0.312	0.313	0.243
650	0.603	0.526	0.450	0.423	0.399	0.369	0.377	0.300
600	0.767	0.665	0.569	0.536	0.486	0.451	0.469	0.370
550	1.007	0.853	0.756	0.703	0.622	0.565	0.600	0.453
500	1.370	1.177	1.031	0.932	0.828	0.716	0.775	0.589
450	1.896	1.652	1.443	1.258	1.170	0.975	1.023	0.763
400	2.653	2.304	2.032	1.745	1.628	1.406	1.379	1.020
350	3.726	3.298		2.422	2.307	1.957	1.869	1.385
300	4.896			3.355		2.823		1.918
HEIGHT	SCALE HEIGHT, KM							
	364.9	379.5	317.7	386.9	477.4	433.3	415.9	325.8
950	364.9	379.5	317.7	386.9	477.4	433.3	415.9	325.8
900	342.0	354.6	320.5	376.0	417.3	407.4	380.5	338.5
850	315.9	328.5	315.6	359.1	374.0	380.7	347.9	326.0
800	294.4	301.5	306.3	343.7	335.1	358.2	316.9	307.6
750	280.0	279.5	297.9	328.3	319.9	339.9	297.9	285.3
700	265.6	263.5	289.5	288.1	304.6	321.6	278.9	262.9
650	241.8	247.6	254.0	242.1	268.2	289.0	255.9	249.8
600	207.0	215.1	196.2	199.4	227.9	242.6	218.1	237.3
550	177.1	183.1	178.1	188.0	199.1	214.4	203.5	224.9
500	160.6	156.0	158.9	174.3	165.1	192.9	194.7	204.5
450	152.2	150.2	149.1	161.9	148.5	151.2	174.2	185.0
400	147.1	145.6	140.6	153.6	147.6	146.1	168.9	171.1
350	158.7	141.9		151.7	149.0	145.3	158.7	161.2
300	238.7			178.6		133.8		145.3
LONG	-58.52	-57.47	-55.67	-53.47	-51.62	-49.52	-47.05	-43.97
LAT	-57.12	-59.05	-61.86	-64.65	-66.45	-68.29	-70.03	-71.78
QUAL	22	33	23	33	33	33	33	33

Table III.—Continued

PASS 1464 AT SOLANT, 63 114				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	132756	132832	132907	132942
1000	0.100	0.105	0.103	0.169
950	0.114	0.120	0.119	0.185
900	0.130	0.137	0.137	0.207
850	0.150	0.155	0.162	0.233
800	0.175	0.178	0.191	0.268
750	0.208	0.205	0.227	0.315
700	0.248	0.238	0.275	0.371
650	0.305	0.277	0.333	0.437
600	0.365	0.332	0.413	0.536
550	0.466	0.400	0.521	0.665
500	0.635	0.488	0.676	0.817
450	0.832	0.610	0.886	1.037
400	1.118	0.765	1.180	1.330
350	1.524	0.984	1.591	1.755
300	2.056	1.299	2.116	2.369
HEIGHT	SCALE HEIGHT, KM			
	380.0	382.4	336.9	475.3
950	380.0	382.4	336.9	475.3
900	355.7	379.1	323.4	429.5
850	332.0	374.7	309.9	384.3
800	309.4	363.3	296.4	350.9
750	288.1	351.2	281.9	329.0
700	266.9	322.5	266.2	307.1
650	246.0	295.2	248.8	285.2
600	225.5	280.3	225.6	267.0
550	205.9	265.4	208.3	250.1
500	193.8	249.3	197.3	233.1
450	179.8	231.1	182.3	212.0
400	166.2	211.9	173.2	192.0
350	167.5	189.9	173.7	176.2
300	163.6	180.4	174.3	173.9
LONG	-40.60	-35.90	-30.77	-24.05
LAT	-73.44	-75.02	-76.49	-77.78
QUAL	33	23	33	33

Table III.—Continued

PASS 1478 AT RESLUT, 63 115								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	131516	131534	131552	131604	131627	131645	131702	131720
1000	0.039	0.028	0.027	0.023	0.017	0.022	0.038	0.032
950	0.041	0.029	0.030	0.025	0.019	0.024	0.042	0.036
900	0.042	0.032	0.033	0.027	0.020	0.026	0.047	0.040
850	0.044	0.035	0.036	0.028	0.022	0.028	0.053	0.046
800	0.047	0.038	0.039	0.030	0.024	0.030	0.061	0.055
750	0.055	0.042	0.043	0.033	0.030	0.034	0.072	0.068
700	0.067	0.048	0.048	0.038	0.041	0.047	0.086	0.086
650	0.078	0.058	0.055	0.045	0.059	0.069	0.103	0.109
600	0.089	0.072	0.067	0.054	0.083	0.085	0.127	0.137
550	0.121	0.089	0.083	0.067	0.111	0.099	0.158	0.187
500	0.169	0.114	0.110	0.083	0.145	0.109	0.200	0.261
450	0.227	0.150	0.146	0.112	0.187	0.169	0.277	0.358
400	0.286	0.199	0.192	0.159	0.252	0.231	0.379	0.483
350	0.351	0.265	0.287	0.258	0.314	0.280	0.510	0.646
300	0.434		0.430				0.637	0.814
HEIGHT	SCALE HEIGHT, KM							
	1435.8	691.4			991.6		442.2	449.2
950	1435.8	691.4			991.6		442.2	449.2
900	1413.9	563.5		1081.4	895.5		395.4	393.1
850	1061.9	584.7	625.9	953.7	522.4	963.9	360.6	336.9
800	520.9	580.9	624.2	665.9	356.8	534.9	327.8	292.1
750	400.9	442.5	498.8	465.9	204.3	335.9	306.1	251.1
700	307.6	321.8	409.6	375.5	148.3	168.9	287.7	221.0
650	282.0	268.4	327.5	326.1	148.7	194.8	269.4	208.1
600	256.5	235.1	267.1	276.6	156.5	203.3	245.7	195.1
550	233.1	217.4	211.7	237.8	167.7	211.7	218.2	159.8
500	210.0	201.4	196.2	200.6	178.8	219.2	193.1	156.5
450	197.7	187.3	180.7	166.9	189.6	185.7	178.1	163.5
400	210.8	180.2	163.8	128.0	200.2	213.4	170.7	169.9
350	223.9	170.5	123.8	89.9	259.0	278.9	189.3	190.4
300	213.8		123.9				324.7	392.3
LONG	172.88	178.31	-176.27	-172.65	-165.67	-160.21	-154.99	-149.00
LAT	79.55	79.88	80.21	80.36	80.36	80.35	80.31	79.97
QUAL	33	33	32	32	31	32	31	32

Table III.—Continued

PASS 1478 AT RESLUT, 63 115								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	131738	131751	131832	131849	131924	131942	132000	132017
1000	0.048	0.022	0.014	0.018	0.042	0.008	0.019	0.027
950	0.053	0.025	0.016	0.021	0.046	0.011	0.021	0.030
900	0.062	0.027	0.018	0.024	0.052	0.012	0.023	0.032
850	0.071	0.030	0.021	0.029	0.060	0.014	0.027	0.035
800	0.082	0.033	0.025	0.036	0.070	0.016	0.032	0.040
750	0.097	0.038	0.031	0.046	0.082	0.021	0.040	0.049
700	0.116	0.043	0.038	0.060	0.098	0.027	0.050	0.062
650	0.138	0.049	0.046	0.081	0.117	0.038	0.073	0.080
600	0.163	0.056	0.059	0.111	0.149	0.057	0.108	0.110
550	0.191	0.065	0.079	0.154	0.199	0.089	0.163	0.164
500	0.233	0.077	0.117	0.227	0.280	0.133	0.243	0.236
450	0.286	0.079	0.171	0.331	0.390	0.208	0.347	0.323
400	0.376	0.148	0.241	0.467	0.524	0.343	0.497	0.414
350	0.475	0.219	0.337	0.633	0.672	0.512		0.487
300		0.328	0.474	0.792		0.702		
HEIGHT	SCALE HEIGHT, KM							
	131738	131751	131832	131849	131924	131942	132000	132017
950	396.3	543.9	389.7	410.6	482.5		576.4	
900	347.3	520.5	340.5	279.6	387.4	524.6	440.1	719.8
850	335.3	477.2	298.8	248.6	336.1	396.8	293.0	470.8
800	323.3	429.0	265.0	221.5	324.6	270.4	261.2	319.8
750	316.6	398.2	248.7	201.2	299.2	193.1	223.9	250.7
700	312.7	377.4	239.4	184.8	272.4	165.0	175.4	205.2
650	308.8	356.6	230.0	169.4	245.4	141.9	154.2	179.7
600	296.3	335.8	191.9	154.3	200.7	125.1	136.5	162.2
550	279.5	297.3	148.3	141.2	165.0	122.7	132.4	155.5
500	251.7	251.0	150.3	137.5	153.2	120.2	137.1	155.1
450	223.6	191.4	152.4	139.1	161.3	121.4	140.9	181.3
400	189.4	122.8	154.4	156.0	188.5	127.8	140.5	260.4
350	300.0	120.8	152.7	194.5	227.8	143.9		360.7
300		131.2	146.3	308.8		173.8		
LONG	-143.01	-138.69	-128.50	-124.68	-118.42	-115.57	-112.73	-110.83
LAT	79.63	79.38	78.16	77.61	76.26	75.51	74.77	73.98
QUAL	33	33	33	33	33	32	33	32

Table III.—Continued

PASS 1478 AT RESLUT, 63 115								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	132035	132053	132110	132125	132146	132204	132221	132234
1000	0.047	0.047	0.075	0.066	0.097	0.128	0.059	0.096
950	0.053	0.054	0.081	0.071	0.104	0.136	0.065	0.102
900	0.060	0.061	0.089	0.076	0.112	0.145	0.071	0.110
850	0.068	0.070	0.100	0.084	0.122	0.156	0.080	0.122
800	0.080	0.082	0.117	0.095	0.135	0.169	0.090	0.136
750	0.097	0.099	0.138	0.109	0.149	0.187	0.104	0.149
700	0.119	0.123	0.164	0.130	0.163	0.210	0.120	0.162
650	0.155	0.154	0.203	0.164	0.181	0.238	0.138	0.179
600	0.209	0.205	0.254	0.211	0.205	0.274	0.155	0.199
550	0.290	0.280	0.331	0.274	0.237	0.346	0.177	0.230
500	0.418	0.395	0.439	0.355	0.289	0.417	0.210	0.276
450	0.590	0.541	0.580	0.451	0.346	0.483	0.257	0.348
400	0.792	0.698	0.697	0.547	0.393	0.531	0.322	0.419
350	0.978	0.831					0.404	0.478
300								
HEIGHT	SCALE HEIGHT, KM							
	132035	132053	132110	132125	132146	132204	132221	132234
950	422.3	384.9	599.6	717.4	701.0	805.6	536.1	816.4
900	398.1	356.2	477.0	583.7	609.3	742.0	479.4	599.3
850	332.6	327.4	390.4	477.2	567.6	644.8	437.8	534.6
800	286.1	298.6	334.2	404.0	531.9	541.7	396.2	511.3
750	259.5	268.6	294.6	336.6	532.2	454.7	359.0	527.8
700	231.1	238.0	262.0	267.8	491.4	410.4	367.6	526.5
650	189.3	207.6	237.9	209.5	435.4	366.2	406.0	468.5
600	163.1	178.7	214.9	199.2	378.5	317.9	386.9	407.2
550	148.5	158.4	191.2	199.0	323.8	245.0	336.5	329.0
500	144.6	157.0	188.5	204.8	287.6	304.7	274.7	267.6
450	164.4	185.7	231.8	233.6	342.2	415.1	241.8	247.9
400	206.1	242.2	375.8	321.9	643.1	730.0	227.6	325.3
350	289.0	385.5					241.7	424.6
300								
LONG	-108.83	-106.82	-105.23	-104.02	-102.33	-100.96	-99.94	-99.16
LAT	73.14	72.31	71.49	70.75	69.71	68.81	67.94	67.27
QUAL	32	32	31	31	31	31	31	31

Table III.—Continued

PASS 1478 AT RESLUT, 63 115								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	132257	132314	132332	132350	132408	132425	132459	132515
1000	0.077	0.059	0.045	0.031	0.032	0.021	0.031	0.038
950	0.082	0.064	0.050	0.034	0.034	0.023	0.035	0.042
900	0.086	0.066	0.054	0.038	0.036	0.025	0.039	0.049
850	0.092	0.077	0.057	0.043	0.040	0.028	0.044	0.056
800	0.102	0.096	0.061	0.049	0.057	0.031	0.049	0.064
750	0.109	0.109	0.066	0.055	0.081	0.035	0.055	0.072
700	0.115	0.121	0.071	0.064	0.096	0.043	0.062	0.082
650	0.139	0.130	0.092	0.076	0.108	0.053	0.070	0.093
600	0.181	0.137	0.118	0.093	0.117	0.067	0.081	0.107
550	0.219	0.196	0.152	0.113	0.123	0.083	0.096	0.125
500	0.256	0.260	0.197	0.138	0.125	0.105	0.119	0.149
450	0.331	0.310	0.255	0.171	0.124	0.146	0.152	0.189
400	0.401	0.380	0.333	0.231	0.211	0.205	0.212	0.249
350	0.460	0.454	0.427	0.322	0.333	0.311	0.335	0.355
300		0.524	0.526	0.473	0.573	0.541	0.570	0.536
HEIGHT	SCALE HEIGHT, KM							
950	1103.2	1069.4	622.4	475.6	776.5	540.7	468.9	399.7
900	1032.1	792.0	752.9	452.8	609.3	562.7	433.8	378.4
850	699.0	560.6	723.2	447.8	207.5	508.3	419.4	377.5
800	615.5	380.8	639.3	399.9	300.6	408.4	418.0	387.0
750	565.4	376.5	555.3	360.2	350.1	324.6	435.9	396.5
700	515.4	372.3	471.4	320.5	356.4	289.8	414.7	389.0
650	387.3	368.0	192.6	294.8	362.7	254.9	376.1	372.9
600	240.4	363.7	195.8	277.9	369.1	228.6	322.3	342.8
550	244.2	227.7	197.2	260.9	375.4	210.0	271.7	297.6
500	247.6	209.1	194.7	243.9	381.7	189.9	231.5	250.7
450	233.4	245.1	194.3	220.3	388.1	164.2	184.7	209.0
400	308.0	277.0	196.2	176.5	131.0	136.3	132.6	163.2
350	444.2	318.9	222.9	145.9	101.9	106.9	98.3	134.0
300		389.2	282.4	136.6	90.7	95.3	96.6	108.2
LONG	-97.78	-96.95	-96.12	-95.29	-94.54	-93.92	-92.69	-92.21
LAT	66.09	65.20	64.26	63.31	62.36	61.45	59.63	58.77
QUAL	31	31	31	33	33	33	33	33

Table III.—Continued

PASS 1478 AT RESLUT, 63 115	
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)	
HEIGHT	TIME (UT)
	1325.3
1000	0.040
950	0.043
900	0.048
850	0.055
800	0.063
750	0.075
700	0.088
650	0.105
600	0.125
550	0.155
500	0.198
450	0.252
400	0.348
350	0.488
300	0.691
HEIGHT	SCALE HEIGHT, KM
950	539.3
900	431.3
850	386.1
800	348.7
750	320.7
700	294.0
650	274.5
600	255.0
550	233.9
500	212.0
450	190.0
400	161.7
350	151.4
300	157.4
LONG	-91.69
LAT	57.79
QUAL	33

Table III. — Continued

PASS 1478 AT STOWANA, 83 115							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	132810	132738	132814	132907	132942	133017	133053
1000	0.018	0.028	0.002	0.008	0.009	0.017	0.026
950	0.022	0.037	0.004	0.010	0.013	0.023	0.036
900	0.027	0.045	0.005	0.012	0.017	0.028	0.044
850	0.032	0.052	0.007	0.015	0.021	0.034	0.050
800	0.036	0.061	0.009	0.019	0.025	0.040	0.067
750	0.042	0.072	0.012	0.024	0.031	0.048	0.065
700	0.049	0.084	0.015	0.031	0.040	0.059	0.075
650	0.059	0.100	0.020	0.041	0.053	0.074	0.088
600	0.074	0.122	0.027	0.054	0.068	0.098	0.107
550	0.094	0.156	0.037	0.072	0.093	0.131	0.134
500	0.122	0.202	0.054	0.100	0.125	0.194	0.172
450	0.164	0.269	0.079	0.141	0.180	0.315	0.291
400	0.230	0.357	0.119	0.205	0.281	0.491	0.319
350	0.334	0.428	0.201	0.339	0.454	0.731	0.489
300	0.480		0.405	0.568	0.781	1.223	0.828
HEIGHT	SCALE HEIGHT, KM						
950	331.6	317.7		227.0	284.7	274.3	395.1
800	344.6	311.8	191.4	218.6	236.0	283.2	387.5
750	332.1	305.9	212.4	196.4	213.7	264.0	364.6
700	288.2	300.1	189.8	187.7	196.7	238.2	328.9
650	254.0	281.0	174.7	185.2	189.6	200.8	286.4
600	230.6	225.1	158.3	176.4	182.5	182.2	244.0
550	207.0	206.8	143.4	165.1	170.3	158.0	207.9
500	182.3	193.6	134.5	164.1	156.9	115.5	187.2
450	161.8	181.6	123.6	143.2	124.4	119.7	164.3
400	145.1	224.9	111.8	124.0	112.1	128.9	140.0
350	138.5	859.8	85.1	88.8	101.5	114.1	115.1
300	140.7		72.9	80.0	88.0	93.7	84.6
LONG	-90.66	-88.70	-88.02	-87.15	-86.64	-86.18	-85.71
LAT	53.78	50.97	48.99	46.06	44.13	42.18	40.18
QUAL	33	31	33	23	23	38	33

Table III. —Continued

PASS 1478 AT OTTAWA, 63 115								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	133128	133204	133239	133315	133350	133425	133510	133555
1000	0.041	0.038	0.062	0.064	0.073	0.093	0.097	0.116
950	0.051	0.046	0.071	0.075	0.082	0.102	0.108	0.120
900	0.060	0.054	0.079	0.084	0.092	0.113	0.120	0.141
850	0.070	0.063	0.090	0.093	0.103	0.125	0.134	0.155
800	0.081	0.072	0.103	0.106	0.116	0.141	0.152	0.173
750	0.095	0.084	0.119	0.122	0.132	0.160	0.173	0.197
700	0.113	0.101	0.140	0.141	0.159	0.186	0.201	0.228
650	0.137	0.126	0.160	0.167	0.185	0.219	0.240	0.270
600	0.172	0.158	0.207	0.202	0.227	0.269	0.293	0.329
550	0.221	0.211	0.269	0.263	0.285	0.344	0.379	0.421
500	0.303	0.286	0.370	0.359	0.382	0.458	0.505	0.563
450	0.450	0.417	0.517	0.512	0.537	0.655	0.708	0.791
400	0.680	0.640	0.768	0.764	0.830	0.957	1.051	1.185
350	1.062	1.092	1.190	1.188	1.268	1.437	1.651	1.818
300	1.869	1.790	2.003	1.983	2.107	2.354	2.720	2.983
HEIGHT	SCALE HEIGHT, KM							
950			432.0		441.4	521.0	478.3	558.2
900	316.9		422.4	452.9	441.9	489.8	459.0	558.7
850	331.2	375.1	385.1	429.2	429.8	454.2	419.8	499.0
800	326.5	344.3	359.9	381.4	395.4	415.8	383.4	427.6
750	298.7	293.8	326.8	345.3	347.3	373.1	359.7	367.9
700	270.4	246.0	291.6	312.0	302.8	317.7	308.5	329.6
650	242.8	219.6	268.0	273.5	272.0	262.4	266.4	276.9
600	214.7	197.8	214.7	229.3	244.0	230.6	215.7	229.2
550	189.6	176.7	177.1	187.0	197.9	196.7	191.0	202.8
500	141.9	165.8	157.1	155.3	162.4	160.8	172.0	167.9
450	130.8	131.8	143.7	138.4	134.3	143.5	143.5	132.6
400	118.6	112.1	126.0	122.9	126.9	128.9	120.8	122.8
350	103.6	99.7	107.3	109.0	112.0	114.6	107.3	111.9
300	85.4	88.9	99.8	99.6	95.9	103.8	102.9	97.7
LONG	-83.31	-84.92	-84.58	-84.25	-83.94	-83.65	-83.24	-82.99
LAT	38.23	38.22	34.28	32.25	30.30	28.94	25.31	23.28
QUAL	22	23	23	21	23	23	22	23

Table III. —Continued

PASS 1478 AT OTTAWA; 63 115	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-6)	
HEIGHT	TIME (UT)
	133830
1000	0.1138
950	0.1255
900	0.1169
850	0.1186
800	0.1209
750	0.1237
700	0.1274
650	0.1323
600	0.1399
550	0.1519
500	0.1889
450	1.1000
400	1.1558
350	2.1547
300	4.1576
HEIGHT	SCALE HEIGHT, KM
950	510.7
900	534.1
850	472.8
800	421.3
750	375.2
700	329.5
650	268.3
600	220.5
550	195.1
500	168.7
450	124.7
400	109.5
350	95.1
300	80.0
LONG	-82.75
LAT	21.32
QUAL	23

Table III.—Continued

PASS 1478 AT FTMYRS, 63 115							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	133520	133555	133630	133741	133817	133852	133927
1000	0.122	0.126	0.142	0.153	0.161	0.171	0.176
950	0.133	0.139	0.153	0.166	0.180	0.185	0.193
900	0.147	0.152	0.165	0.181	0.201	0.205	0.215
850	0.164	0.167	0.187	0.204	0.224	0.229	0.242
800	0.183	0.186	0.218	0.241	0.252	0.259	0.274
750	0.208	0.209	0.250	0.278	0.285	0.300	0.315
700	0.238	0.238	0.281	0.316	0.335	0.355	0.382
650	0.264	0.283	0.340	0.373	0.410	0.432	0.470
600	0.353	0.348	0.424	0.482	0.522	0.553	0.601
550	0.439	0.436	0.553	0.649	0.714	0.750	0.808
500	0.593	0.592	0.743	0.919	1.051	1.094	1.173
450	0.818	0.854	1.120	1.457	1.718	1.865	1.999
400	1.213	1.300	1.865	2.689	3.193	3.501	3.709
350	1.984	2.240	3.404	5.271	6.029	6.842	7.121
300	3.163	3.723	6.081	9.293	10.258		
HEIGHT	SCALE HEIGHT, KM						
	950	900	850	800	750	700	650
950	546.8	553.7	626.1	590.3	450.5	536.8	483.1
900	484.1	538.2	499.0	490.3	445.4	478.8	439.1
850	444.6	471.3	444.7	413.3	424.1	428.0	399.7
800	407.7	435.1	391.8	349.1	398.0	380.6	361.3
750	366.2	398.8	356.6	327.5	370.6	317.4	321.1
700	324.7	356.4	325.2	309.0	284.0	278.1	275.3
650	285.0	279.1	277.7	270.4	231.7	230.2	230.8
600	246.4	231.9	227.5	195.7	189.9	186.6	193.8
550	207.9	199.0	186.8	161.1	150.6	158.1	151.9
500	176.2	154.6	153.3	129.4	116.6	113.1	118.3
450	144.9	131.8	111.4	99.7	92.0	82.5	80.9
400	117.4	105.9	88.5	71.5	79.1	81.2	77.4
350	95.5	94.0	79.1	79.9	81.7	80.6	84.7
300	124.3	109.8	101.0	161.3	214.7		
LONG	-83.24	-82.99	-82.75	-82.30	-82.08	-81.88	-81.68
LAT	25.25	23.28	21.32	17.34	15.31	13.34	11.37
QUAL	32	33	33	23	22	23	23

Table III.—Continued

PASS 1478 AT FTMYRS, 63 115						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	134003	134028	134131	134207	134242	134353
1000	0.192	0.197	0.221	0.227	0.222	0.239
950	0.216	0.218	0.242	0.249	0.242	0.259
900	0.238	0.243	0.266	0.274	0.267	0.284
850	0.261	0.272	0.294	0.304	0.299	0.316
800	0.300	0.306	0.339	0.347	0.342	0.361
750	0.353	0.350	0.396	0.406	0.404	0.417
700	0.417	0.415	0.474	0.486	0.484	0.484
650	0.494	0.541	0.577	0.612	0.593	0.571
600	0.644	0.688	0.779	0.799	0.777	0.734
550	0.866	0.855	1.079	1.101	1.073	1.010
500	1.299	1.348	1.639	1.695	1.627	1.533
450	2.215	2.439	2.913	2.859	2.781	2.733
400	4.195	4.526	5.258	4.967	4.805	4.637
350	7.565	8.129	8.511	8.097	8.028	7.433
300						
HEIGHT	SCALE HEIGHT, KM					
	480.4	472.5	526.9	538.4	529.7	559.2
950						
900	473.5	455.7	474.2	494.8	470.7	502.0
850	436.9	433.1	421.5	427.2	404.0	431.9
800	360.6	385.3	369.5	347.6	331.0	357.1
750	299.5	333.9	317.6	308.3	298.3	330.0
700	273.4	220.5	266.0	256.0	266.6	302.9
650	247.2	194.8	215.4	198.6	231.0	267.8
600	197.6	184.6	174.3	178.9	183.4	188.1
550	147.9	174.3	141.5	140.7	141.4	139.4
500	116.0	100.7	100.2	106.2	109.6	105.7
450	81.7	78.2	67.1	89.0	90.7	86.0
400	77.1	82.8	89.3	94.4	93.6	97.9
350	93.0	102.2	120.0	135.7	121.9	130.2
300						
LONG	-81.47	-81.34	-81.00	-80.81	-80.63	-80.26
LAT	9.55	7.94	4.40	2.38	0.41	-3.58
QUAL	23	33	23	33	33	33

Table III.—Continued

PASS 1478 AT AGASTA; 63 115								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-9)								
HEIGHT	TIME (UT)							
	134820	134855	134948	135024	135059	135135	135234	135245
1080	0.265	0.267	0.264	0.247	0.240	0.256	0.246	0.253
990	0.280	0.285	0.281	0.272	0.259	0.273	0.267	0.274
900	0.299	0.303	0.303	0.300	0.283	0.299	0.294	0.300
850	0.322	0.327	0.332	0.330	0.317	0.335	0.326	0.334
800	0.351	0.357	0.367	0.368	0.363	0.378	0.370	0.378
750	0.396	0.395	0.409	0.417	0.424	0.438	0.425	0.437
700	0.458	0.446	0.466	0.480	0.512	0.527	0.504	0.524
650	0.540	0.533	0.555	0.574	0.647	0.644	0.625	0.648
600	0.679	0.671	0.693	0.717	0.837	0.827	0.804	0.840
550	0.888	0.941	0.928	0.967	1.113	1.095	1.113	1.098
500	1.219	1.300	1.287	1.377	1.576	1.514	1.557	1.569
450	1.765	1.838	1.893	2.022	2.364	2.180	2.245	2.310
400	2.831	2.851	3.093	3.071	3.628	3.162	3.257	3.426
350	4.890	4.562	5.018	4.793	5.281	4.414	4.435	4.862
300	7.838	6.980	7.188	6.705		5.687		
HEIGHT	SCALE HEIGHT, KM							
	134820	134855	134948	135024	135059	135135	135234	135245
990	808.4	796.6	707.4	526.4	592.6	643.6	560.5	606.4
900	715.8	721.1	610.4	529.6	504.5	516.0	498.1	512.3
850	624.6	624.5	537.4	489.4	413.5	429.4	440.1	422.0
800	549.0	529.4	477.3	419.5	343.3	366.1	377.0	377.8
750	381.4	468.1	423.5	372.5	290.6	306.2	342.1	301.9
700	328.5	353.1	330.6	323.7	242.0	267.7	254.5	258.3
650	258.0	240.9	268.0	268.4	213.2	232.7	216.7	220.5
600	201.6	185.5	189.6	204.4	192.1	203.1	178.4	196.2
550	173.8	152.5	169.5	154.3	168.6	176.8	159.4	171.6
500	148.6	146.8	146.3	137.3	139.3	151.0	145.3	143.4
450	124.6	133.0	118.2	125.3	124.2	138.0	136.2	129.8
400	99.7	111.0	102.4	117.6	122.3	142.0	142.6	138.1
350	97.2	108.3	112.4	120.8	159.9	170.3	216.0	238.1
300	169.7	147.8	315.1	321.4		253.9		
LONG	-78.76	-78.54	-78.18	-77.92	-77.67	-77.37	-76.87	-76.77
LAT	-18.56	-20.51	-23.47	-25.48	-27.43	-29.44	-32.72	-33.33
QUAL	12	22	12	22	23	23	21	22

Table III.—Continued

PASS 1478 AT AGASTA 63 115								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-3)								
HEIGHT	TIME (UT)							
	135321	135356	135432	135507	135542	135618	135653	135729
1000	0.217	0.213	0.232	0.248	0.236	0.220	0.216	0.234
950	0.240	0.233	0.245	0.267	0.258	0.240	0.238	0.253
900	0.268	0.257	0.266	0.289	0.284	0.263	0.261	0.276
850	0.303	0.288	0.299	0.318	0.317	0.291	0.290	0.304
800	0.344	0.329	0.337	0.352	0.356	0.332	0.328	0.340
750	0.399	0.382	0.389	0.396	0.404	0.384	0.378	0.386
700	0.479	0.459	0.467	0.481	0.467	0.453	0.440	0.443
650	0.583	0.586	0.579	0.558	0.549	0.547	0.538	0.527
600	0.757	0.758	0.775	0.719	0.674	0.683	0.655	0.658
550	0.997	1.012	1.040	1.031	0.876	0.860	0.814	0.833
500	1.424	1.402	1.442	1.447	1.196	1.201	1.112	1.089
450	2.107	2.076	2.063	2.028	1.744	1.703	1.537	1.426
400	3.273	3.141	3.153	3.075	2.616	2.470	2.188	1.951
350	4.527	4.545	4.749	4.857	4.157	3.822	3.281	2.723
300			6.583		6.498	5.915	5.048	3.676
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	474.5	520.9	741.5	633.4	521.9	558.8	331.4	595.7
900	434.0	473.5	559.9	573.2	485.9	496.5	499.8	543.9
850	400.0	426.5	442.7	517.3	445.7	429.5	437.3	482.6
800	360.8	369.9	388.1	469.4	410.3	380.4	384.5	423.7
750	294.4	290.6	296.9	374.4	374.7	335.1	350.9	382.6
700	268.1	243.7	251.1	300.2	329.1	298.3	286.3	327.4
650	231.9	220.8	211.3	238.3	270.8	234.7	254.8	251.8
600	199.4	197.9	189.4	154.4	221.1	216.5	232.3	232.5
550	168.6	172.4	167.7	153.0	190.7	198.3	209.7	213.1
500	140.8	144.2	151.7	148.4	145.9	168.3	177.0	195.1
450	127.3	124.8	133.1	136.3	129.5	140.9	149.6	177.5
400	130.2	128.0	117.7	122.1	117.6	126.9	134.6	160.5
350	192.1	157.1	130.9	120.3	106.3	110.8	121.8	158.7
300			264.9		133.2	124.5	114.5	188.3
LONG	-76.43	-76.08	-75.68	-75.27	-74.81	-74.31	-73.79	-73.18
LAT	-35.32	-37.26	-39.25	-41.18	-43.11	-45.08	-47.00	-48.97
QUAL	22	23	23	13	12	23	23	23

Table III. —Continued

PASS 1478 AT SCLANT, 63 115							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	135136	135211	135322	135357	135433	135508	135516
1000	0.231	0.231	0.200	0.196	0.205	0.218	0.217
950	0.249	0.248	0.220	0.213	0.220	0.238	0.233
900	0.273	0.273	0.245	0.238	0.240	0.261	0.256
850	0.306	0.313	0.279	0.274	0.268	0.288	0.291
800	0.344	0.363	0.322	0.322	0.304	0.318	0.334
750	0.398	0.414	0.377	0.376	0.352	0.359	0.382
700	0.480	0.470	0.442	0.438	0.418	0.416	0.446
650	0.587	0.578	0.544	0.508	0.525	0.501	0.559
600	0.750	0.745	0.718	0.637	0.683	0.635	0.734
550	0.969	0.995	0.970	0.919	0.930	0.849	0.993
500	1.419	1.456	1.392	1.323	1.370	1.222	1.489
450	2.082	2.161	2.128	2.012	2.047	1.873	2.295
400	3.085	3.232	3.273	3.094	3.181	2.892	3.498
350	4.383	4.538	4.598	4.603	4.812	4.531	4.776
300					6.675		
HEIGHT	SCALE HEIGHT, KM						
	588.9	595.8	480.5	505.3	630.5	576.4	603.9
950	588.9	595.8	480.5	505.3	630.5	576.4	603.9
900	505.1	480.3	430.5	427.9	524.7	521.0	497.6
850	433.4	402.1	378.5	382.5	464.1	489.9	400.0
800	371.7	352.6	329.2	337.1	403.5	458.9	352.3
750	320.0	332.8	300.3	312.2	328.9	384.0	325.7
700	280.7	312.9	271.4	288.6	256.0	305.7	283.9
650	241.4	242.2	236.9	265.1	219.4	251.1	202.3
600	203.4	180.6	195.3	218.3	183.3	202.0	180.3
550	164.7	157.0	157.7	138.9	148.6	159.2	152.0
500	135.9	129.0	130.2	129.1	127.7	129.8	117.3
450	129.7	126.7	115.0	118.0	119.7	116.3	117.9
400	130.2	127.4	126.3	119.1	115.2	113.9	130.8
350	167.3	213.4	203.9	153.5	125.0	110.4	299.0
300					229.6		
LONG	-77.37	-77.07	-76.42	-76.07	-75.67	-75.26	-75.15
LAT	-29.49	-31.44	-35.38	-37.31	-39.30	-41.23	-41.67
QUAL	23	22	22	23	23	23	22

Table III.—Continued

PASS 1478 AT SOLANT, 63 115								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	135619	135654	135730	135825	135901	135954	140030	140105
1000	0.211	0.203	0.226	0.198	0.198	0.181	0.178	0.147
950	0.230	0.225	0.246	0.221	0.215	0.196	0.193	0.168
900	0.252	0.247	0.269	0.243	0.235	0.217	0.212	0.191
850	0.280	0.274	0.297	0.271	0.261	0.248	0.239	0.219
800	0.319	0.308	0.333	0.303	0.292	0.283	0.272	0.252
750	0.369	0.358	0.374	0.348	0.329	0.323	0.313	0.289
700	0.433	0.419	0.425	0.408	0.394	0.368	0.359	0.336
650	0.515	0.499	0.504	0.480	0.477	0.434	0.412	0.395
600	0.643	0.611	0.603	0.598	0.589	0.541	0.524	0.481
550	0.831	0.755	0.772	0.747	0.745	0.695	0.670	0.627
500	1.125	1.020	1.029	0.988	0.960	0.901	0.888	0.839
450	1.617	1.427	1.399	1.381	1.292	1.184	1.197	1.134
400	2.402	2.056	1.931	1.889	1.755	1.570		1.523
350		3.099	2.750	2.576	2.316	2.075		2.072
300		4.876	3.742	3.402	3.031	2.668		2.767
HEIGHT	SCALE HEIGHT, KM							
	550.0	526.6	517.1	504.2	501.9	502.2	563.1	379.3
950	487.0	488.7	522.7	475.3	498.4	460.8	482.1	371.3
900	431.7	433.8	458.0	435.9	451.4	372.5	430.0	365.6
850	391.4	384.7	424.8	396.5	406.2	358.8	380.8	355.2
800	351.0	349.7	391.9	356.4	361.0	345.1	351.3	344.2
750	307.0	314.7	356.5	316.1	315.2	331.3	321.8	319.3
700	259.9	279.9	302.9	275.7	269.3	284.6	292.3	288.9
650	223.3	245.5	249.4	244.1	234.4	212.1	248.3	215.7
600	191.6	209.6	196.1	213.0	213.5	203.3	203.7	193.2
550	153.2	161.1	171.4	168.8	187.7	192.4	179.2	168.3
500	135.9	145.4	161.6	156.0	167.4	180.3	158.1	165.5
450	117.6	126.8	144.8	161.5	172.6	180.6		167.9
400		115.9	148.8	169.7	183.2	188.3		167.6
350			162.7	219.5	174.9	200.7		179.6
300								
LONG	-74.30	-73.78	-73.16	-72.12	-71.38	-70.06	-68.99	-67.86
LAT	-45.14	-47.05	-49.02	-52.02	-53.97	-56.83	-58.76	-60.63
QUAL	23	33	33	31	33	22	23	33

Table III. —Continued

PASS 1478 AT SOLANT, 63 115								
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)								
HEIGHT	TIME (UT)							
	140141	140216	140250	140327	140402	140438	140513	140549
1000	0.133	0.132	0.094	0.081	0.079	0.079	0.078	0.095
950	0.149	0.146	0.108	0.094	0.091	0.090	0.093	0.109
900	0.170	0.166	0.124	0.109	0.107	0.104	0.109	0.126
850	0.198	0.191	0.144	0.127	0.126	0.121	0.128	0.146
800	0.233	0.218	0.169	0.148	0.149	0.142	0.151	0.170
750	0.273	0.250	0.202	0.179	0.179	0.167	0.180	0.197
700	0.319	0.290	0.247	0.219	0.213	0.197	0.215	0.232
650	0.385	0.351	0.301	0.269	0.255	0.238	0.259	0.282
600	0.488	0.429	0.379	0.336	0.321	0.292	0.323	0.344
550	0.632	0.542	0.485	0.416	0.401	0.368	0.401	0.431
500	0.829	0.725	0.646	0.532	0.520	0.468	0.514	0.541
450	1.146	0.989	0.864	0.693	0.690	0.625	0.668	0.688
400	1.586	1.351	1.193	0.927	0.940	0.846	0.871	0.876
350	2.125	1.842	1.672	1.280	1.339	1.153	1.144	1.133
300		2.492		1.788	1.842		1.508	
HEIGHT	SCALE HEIGHT, KM							
	140141	140216	140250	140327	140402	140438	140513	140549
950	409.8	430.6	341.9	328.7	318.7	365.7	297.8	345.6
900	368.2	393.2	335.1	321.5	307.9	343.0	301.7	341.7
850	341.5	363.1	315.2	306.4	297.7	317.8	297.6	338.3
800	320.1	348.9	294.2	291.4	287.5	307.0	292.0	324.4
750	313.2	334.8	275.6	274.1	276.5	297.4	279.9	305.9
700	306.3	313.2	259.1	256.4	265.6	287.8	267.9	286.4
650	232.2	276.5	242.7	240.1	253.6	264.0	254.4	265.7
600	200.9	234.8	216.6	229.3	233.4	232.9	237.8	245.0
550	189.5	193.0	188.5	218.4	213.2	212.4	221.1	231.2
500	175.1	172.4	160.0	204.2	195.0	194.5	208.4	218.0
450	155.1	162.7	167.5	188.2	178.2	179.0	198.0	210.1
400	163.2	162.8	152.2	165.7	152.3	166.5	187.7	203.1
350	185.2	160.9	151.3	153.7	148.2	163.9	180.3	190.4
300		175.1		140.3	163.3		177.0	
LONG	-66.51	-65.02	-63.37	-61.18	-58.91	-55.84	-52.42	-48.14
LAT	-62.53	-64.36	-66.13	-68.01	-69.78	-71.52	-73.18	-74.80
QUAL	33	33	33	33	33	23	23	33

Table III.—Continued

PASS 1491 AT RESLUT, 63 116								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	121213	121435	121453	121528	121546	121604	121622	121639
1000	0.005	0.025	0.017	0.015	0.026	0.033	0.015	0.011
950	0.007	0.028	0.020	0.018	0.030	0.036	0.019	0.014
900	0.008	0.031	0.022	0.021	0.033	0.039	0.022	0.017
850	0.011	0.035	0.024	0.023	0.038	0.042	0.026	0.021
800	0.013	0.040	0.027	0.025	0.042	0.046	0.031	0.025
750	0.017	0.047	0.030	0.028	0.046	0.053	0.037	0.032
700	0.024	0.055	0.040	0.032	0.051	0.062	0.044	0.042
650	0.034	0.067	0.053	0.035	0.063	0.076	0.055	0.057
600	0.049	0.083	0.069	0.043	0.080	0.092	0.069	0.076
550	0.070	0.108	0.090	0.063	0.101	0.113	0.092	0.099
500	0.108	0.143	0.121	0.087	0.122	0.142	0.124	0.130
450	0.168	0.192	0.160	0.116	0.146	0.183	0.169	0.174
400	0.271	0.252	0.208	0.159	0.205	0.247	0.240	0.250
350	0.454	0.324	0.274	0.235	0.334	0.361	0.354	0.360
300	0.692	0.388	0.342	0.388	0.569	0.556	0.510	0.539
HEIGHT	SCALE HEIGHT, KM							
	203.4	583.8	406.0	379.1			327.1	
950								
900	213.8	464.8	455.8	468.3	470.3	631.2	308.1	263.8
850	204.0	400.6	418.6	459.1	507.7	604.0	299.8	249.0
800	194.7	352.1	381.4	428.4	529.7	493.8	294.1	232.0
750	185.4	318.7	343.6	397.7	460.9	397.9	270.6	211.4
700	170.0	285.7	304.1	367.0	356.1	301.9	240.3	188.6
650	152.5	253.5	264.7	336.4	294.7	278.9	221.6	166.6
600	138.2	221.7	225.2	303.6	247.1	260.8	202.9	179.5
550	127.8	191.5	192.5	264.4	225.2	242.8	187.7	192.6
500	119.3	182.2	191.0	225.3	215.8	217.6	173.6	
450	111.3	191.9	189.5	186.1	206.4	187.1	157.3	
400	101.5	201.5	190.0	150.7	150.2	159.1	136.9	
350	109.2	246.5	194.1	124.0	93.6	135.3	135.5	
300	134.0	660.2		106.1	73.5	108.9	143.1	
LONG	-94.98	-83.26	-82.35	-80.71	-79.81	-79.05	-78.52	-77.92
LAT	73.73	66.65	65.81	63.95	62.94	61.99	61.08	60.18
QUAL	33	32	31	33	33	33	33	33

Table III.—Continued

PASS 1491 AT RESLUT, 63 116	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	121657
1000	0.006
950	0.009
900	0.011
850	0.015
800	0.020
750	0.025
700	0.032
650	0.044
600	0.061
550	0.085
500	0.120
450	0.176
400	0.263
350	0.393
300	0.565
HEIGHT	SCALE HEIGHT, KM
950	236.8
900	209.6
850	198.7
800	190.5
750	186.8
700	183.0
650	173.2
600	162.4
550	151.4
500	140.4
450	131.7
400	126.3
350	132.5
300	163.0
LONG	-77.29
LAT	59.23
QUAL	33

Table III.—Continued

PASS 1491 AT OTTAWA, 63 116			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	122209	122244	122838
1000	0.012	0.018	0.186
950	0.014	0.021	0.194
900	0.016	0.025	0.204
850	0.020	0.030	0.215
800	0.025	0.035	0.227
750	0.030	0.041	0.241
700	0.035	0.049	0.258
650	0.043	0.060	0.285
600	0.055	0.073	0.319
550	0.071	0.091	0.367
500	0.091	0.116	0.442
450	0.120	0.146	0.567
400	0.172	0.203	0.805
350	0.248	0.278	1.221
300	0.439	0.420	1.855
HEIGHT	SCALE HEIGHT, KM		
900	300.3	291.9	982.2
850	258.6	296.0	938.1
800	246.4	300.2	858.6
750	259.1	289.4	739.2
700	267.5	268.0	600.0
650	214.7	251.1	510.7
600	199.8	234.7	424.1
550	193.8	219.6	336.2
500	187.8	204.9	246.3
450	177.0	190.2	183.0
400	149.3	168.9	123.9
350	117.9	147.4	121.3
300	79.7	109.6	110.3
LONG	-70.98	-70.55	-67.47
LAT	42.10	40.16	20.36
QUAL	33	33	33

Table III. —Continued

PASS 1491 AT QUITOE, 63 116								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	122803	122832	123511	123546	123622	123715	123750	123843
1000	0.171	0.205	0.233	0.235	0.234	0.237	0.237	0.248
950	0.182	0.213	0.244	0.243	0.247	0.248	0.248	0.259
900	0.189	0.220	0.256	0.252	0.258	0.258	0.260	0.271
850	0.198	0.229	0.268	0.265	0.270	0.268	0.273	0.284
800	0.208	0.239	0.283	0.282	0.285	0.280	0.287	0.299
750	0.220	0.252	0.302	0.302	0.304	0.293	0.309	0.325
700	0.235	0.272	0.334	0.326	0.335	0.327	0.337	0.359
650	0.255	0.298	0.376	0.354	0.374	0.372	0.375	0.409
600	0.279	0.337	0.442	0.433	0.440	0.432	0.442	0.484
550	0.310	0.393	0.569	0.544	0.568	0.567	0.556	0.647
500	0.358	0.517	0.778	0.698	0.758	0.761	0.752	0.910
450	0.419	0.717	1.023	1.008	0.981	0.981	1.079	1.270
400	0.520	1.026	1.528	1.484	1.411	1.463	1.706	2.402
350	0.664	1.537	2.483	2.267	2.404	2.687	3.082	4.427
300	0.871	2.619	4.202	4.074	4.693	5.508	5.867	7.228
HEIGHT	SCALE HEIGHT, KM							
	1064.7	1375.5	1029.4	1447.9	1048.2	1241.6	1051.4	1136.5
950	1188.5	1399.8	1034.2	1191.6	1064.8	1182.1	1031.3	1047.4
900	1057.8	1180.2	936.2	957.6	947.3	1057.8	914.7	913.5
850	929.4	1004.9	808.1	752.7	829.8	933.6	797.9	779.6
800	800.9	829.6	675.7	648.7	703.0	809.4	675.1	637.0
750	701.6	676.3	534.1	551.8	549.2	591.7	552.2	493.1
700	618.0	523.6	392.5	455.0	397.7	377.9	425.0	363.3
650	534.3	386.6	274.1	312.2	268.8	267.2	285.9	252.0
600	450.1	260.9	199.5	208.4	201.9	194.5	204.3	168.6
550	364.8	176.8	164.1	169.1	174.4	166.6	156.1	136.5
500	283.9	147.9	152.4	145.5	165.4	150.2	130.1	119.9
450	232.7	132.9	124.5	124.8	118.2	111.6	102.8	82.4
400	200.1	113.1	101.7	104.9	84.8	75.4	79.6	88.1
350	190.1	87.2	91.7	88.8	73.7	66.3	81.8	156.3
300								
LONG	-67.70	-67.51	-65.08	-64.32	-64.26	-64.61	-64.41	-64.12
LAT	22.32	20.69	0.09	-3.18	-5.73	-8.70	-10.66	-13.64
QUAL	33	33	23	23	23	23	23	23

Table III.—Continued

PASS 1491 AT QUITOE, 63 116			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	123919	123955	124030
1000	0.243	0.261	0.255
950	0.255	0.276	0.267
900	0.270	0.287	0.285
850	0.284	0.302	0.307
800	0.300	0.319	0.332
750	0.321	0.352	0.365
700	0.354	0.404	0.404
650	0.400	0.471	0.448
600	0.476	0.561	0.557
550	0.634	0.709	0.753
500	0.941	1.125	0.998
450	1.375	1.672	1.469
400	2.439	2.640	2.539
350	4.454	4.710	4.578
300	7.179		
HEIGHT	SCALE HEIGHT, KM		
	956.9	1093.3	843.6
950	956.9	1093.3	843.6
900	953.8	1020.5	761.5
850	890.1	873.5	679.4
800	770.6	726.6	597.3
750	645.1	578.7	523.3
700	503.7	430.3	449.4
650	368.5	311.9	375.6
600	258.6	251.5	277.2
550	182.6	190.8	171.7
500	134.0	128.4	153.7
450	114.7	117.0	113.7
400	78.5	96.6	88.3
350	89.5	90.7	91.8
300	197.4		
LONG	-63.91	-63.69	-63.47
LAT	-15.05	-17.67	-19.63
QUAL	23	23	23

Table III. —Continued

PASS 1491 AT AGASUAI 63 110								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-3)								
HEIGHT	TIME (UT)							
	124219	124155	124230	124305	124341	124416	124452	124527
1000	0.235	0.272	0.265	0.277	0.272	0.298	0.288	0.301
950	0.250	0.288	0.285	0.299	0.298	0.324	0.308	0.326
900	0.269	0.309	0.309	0.324	0.329	0.356	0.334	0.369
850	0.292	0.339	0.338	0.355	0.366	0.398	0.371	0.399
800	0.318	0.374	0.372	0.399	0.409	0.452	0.427	0.447
750	0.350	0.417	0.422	0.456	0.467	0.519	0.491	0.516
700	0.394	0.474	0.490	0.529	0.542	0.614	0.578	0.604
650	0.458	0.562	0.578	0.654	0.647	0.746	0.698	0.735
600	0.552	0.684	0.701	0.826	0.811	0.946	0.940	0.916
550	0.695	0.846	0.907	1.054	1.057	1.203	1.322	1.249
500	0.940	1.172	1.228	1.425	1.480	1.665	1.735	1.798
450	1.394	1.772	1.740	1.994	2.121	2.425	2.569	2.595
400	2.225	2.688	2.585		3.077	3.588	3.816	3.880
350	3.885	4.318	4.108		4.306	4.920	5.328	5.615
300	5.088		5.580					
HEIGHT	SCALE HEIGHT, KM							
	752.1	742.0	675.9	632.6	539.8	558.8	653.8	568.6
950	676.8	631.7	583.0	567.1	498.2	483.8	548.7	493.7
900	590.3	592.3	608.2	491.3	443.7	412.8	450.1	463.3
850	527.1	494.4	437.7	407.1	408.4	375.0	362.8	412.3
800	481.6	421.2	382.1	340.8	369.4	335.3	328.2	348.4
750	382.5	350.6	337.6	281.6	319.8	281.6	291.0	272.4
700	304.7	273.7	285.2	253.1	233.9	239.4	218.1	238.1
650	248.8	242.6	229.3	227.3	205.9	215.8	172.2	204.0
600	198.3	212.1	190.1	201.5	178.7	192.2	163.8	173.6
550	150.8	198.9	159.5	168.3	154.3	154.1	155.4	148.2
500	123.5	125.8	138.3	130.9	141.2	130.0	130.4	127.4
450	99.2	122.2	119.8		138.5	139.4	135.3	122.0
400	96.4	122.1	121.6		192.0	220.3	221.3	182.6
350	182.5		934.4					
300								
LONG	-63.15	-62.90	-62.64	-62.38	-62.09	-61.79	-61.46	-61.12
LAT	-22.37	-24.38	-26.33	-28.28	-30.28	-32.23	-34.23	-36.16
QUAL	13	23	12	23	22	23	22	28

Table III. —Continued

PASS 1491 AT AGASSA 63 116						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-3)						
HEIGHT	TIME (UT)					
	124602	124637	124703	124749	124900	124930
1000	0.287	0.302	0.280	0.280	0.337	0.290
950	0.310	0.322	0.301	0.303	0.359	0.309
900	0.339	0.353	0.328	0.329	0.388	0.335
850	0.382	0.393	0.361	0.369	0.429	0.375
800	0.437	0.446	0.406	0.419	0.481	0.433
750	0.505	0.520	0.466	0.481	0.550	0.496
700	0.601	0.625	0.551	0.562	0.646	0.575
650	0.763	0.758	0.692	0.688	0.806	0.696
600	0.972	0.930	0.889	0.872	1.047	0.869
550	1.303	1.224	1.202	1.124	1.379	1.151
500	1.818	1.715	1.684	1.608	1.818	1.651
450	2.757	2.481	2.532	2.431	2.695	2.386
400	4.200	3.752	3.987	3.826	3.946	3.585
350	6.100	5.379	6.013	5.706	5.610	5.274
300						
HEIGHT	SCALE HEIGHT, KM					
	950	900	850	800	750	700
950	595.3	648.7	637.0	655.0	715.1	665.7
900	486.8	493.5	556.0	520.2	575.3	538.0
850	411.6	435.4	488.1	446.6	472.2	436.6
800	353.3	367.3	389.3	388.8	410.9	382.1
750	307.8	288.7	341.3	342.5	348.2	341.8
700	266.6	271.2	240.8	270.6	258.9	304.6
650	233.4	253.8	218.7	234.1	221.7	240.8
600	200.2	228.2	196.5	210.1	203.0	211.6
550	168.7	166.8	170.6	183.6	181.4	154.7
500	140.3	142.5	141.0	135.3	157.0	136.4
450	121.5	130.5	118.6	117.3	134.0	131.5
400	122.0	123.4	116.0	116.1	134.4	125.5
350	172.4	161.7	166.9	139.2	179.7	145.6
300						
LONG	-60.76	-60.35	-60.04	-59.43	-58.38	-57.84
LAT	-38.10	-40.03	-41.46	-43.99	-47.89	-49.52
QUAL	23	22	22	23	22	23

Table III.—Continued

PASS 1491 AT SOLANT, 63 116								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	124807	124842	124918	124953	125143	125219	125254	125329
1000	0.258	0.262	0.248	0.243	0.168	0.175	0.166	0.162
950	0.289	0.291	0.273	0.275	0.194	0.203	0.193	0.186
900	0.319	0.325	0.303	0.308	0.225	0.236	0.221	0.213
850	0.361	0.364	0.339	0.354	0.262	0.273	0.256	0.248
800	0.418	0.409	0.383	0.409	0.319	0.316	0.295	0.288
750	0.485	0.469	0.436	0.473	0.387	0.369	0.343	0.336
700	0.575	0.541	0.509	0.555	0.474	0.431	0.401	0.400
650	0.685	0.625	0.634	0.651	0.587	0.511	0.469	0.474
600	0.813	0.835	0.833	0.835	0.722	0.651	0.597	0.559
550	1.093	1.158	1.117	1.141	0.945	0.841	0.772	0.714
500	1.575	1.674	1.580	1.634	1.277	1.144	1.023	0.935
450	2.349	2.551	2.358	2.386	1.747	1.578	1.384	1.248
400	3.660	3.928	3.596	3.536	2.438	2.167	1.924	1.691
350	5.226	5.668	5.403	5.221	3.373	2.997	2.709	2.277
300					4.291	3.831	3.559	3.011
HEIGHT	SCALE HEIGHT, KM							
	424.2	498.7	486.4	385.2	330.2	339.2	326.6	344.5
950	424.2	498.7	486.4	385.2	330.2	339.2	326.6	344.5
900	413.6	453.8	461.5	381.9	316.4	334.9	341.3	341.4
850	396.6	421.4	436.5	366.1	301.1	332.5	339.5	331.7
800	354.4	387.7	397.1	350.2	281.6	328.5	335.8	321.9
750	322.2	350.9	347.8	330.2	262.0	309.3	323.2	310.6
700	293.5	314.1	290.9	296.6	244.4	288.1	293.2	292.0
650	265.5	277.3	217.2	263.0	229.9	263.2	263.3	274.7
600	237.4	188.4	184.6	197.4	215.3	221.7	232.0	256.8
550	182.6	147.1	165.5	153.2	192.0	185.0	200.5	223.5
500	132.8	129.9	135.9	137.3	165.8	163.1	177.5	184.7
450	120.6	118.9	122.3	131.0	155.5	158.5	160.4	170.5
400	119.8	116.6	117.9	126.0	152.7	155.9	149.8	168.9
350	193.5	200.4	164.6	151.5	175.6	177.1	165.6	173.5
300					380.7	284.7	236.9	181.4
LONG	-59.18	-58.65	-58.06	-57.43	-54.92	-53.88	-52.78	-51.45
LAT	-44.98	-46.90	-48.87	-50.78	-56.73	-58.66	-60.53	-62.38
QUAL	23	22	23	23	22	22	22	23

Table III.—Continued

PASS 1491 AT SOLANT, 63 116							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	125405	125440	125516	125551	125644	125720	125755
1000	0.174	0.155	0.182	0.136	0.126	0.104	0.118
950	0.196	0.180	0.207	0.153	0.146	0.118	0.135
900	0.223	0.208	0.236	0.174	0.166	0.133	0.157
850	0.258	0.240	0.274	0.202	0.191	0.152	0.184
800	0.300	0.276	0.325	0.235	0.229	0.174	0.217
750	0.350	0.318	0.387	0.277	0.276	0.198	0.255
700	0.414	0.374	0.463	0.327	0.330	0.227	0.299
650	0.469	0.440	0.557	0.385	0.400	0.260	0.355
600	0.587	0.545	0.667	0.496	0.486	0.306	0.430
550	0.756	0.703	0.850	0.649	0.600	0.366	0.521
500	0.980	0.923	1.100	0.856	0.777	0.442	0.634
450	1.288	1.229	1.429	1.154	1.014	0.548	0.780
400	1.721	1.649	1.835	1.582	1.325	0.679	0.980
350	2.286		2.345	2.130	1.739	0.861	1.239
300	2.979		3.021		2.276	1.095	1.630
HEIGHT	SCALE HEIGHT, KM						
	950	900	850	800	750	700	650
950	394.9	338.0	362.2	367.4	312.0	359.7	319.9
900	367.2	347.8	348.7	360.1	317.1	377.1	322.8
850	350.5	344.2	332.4	340.7	314.4	377.6	319.3
800	334.1	338.4	313.2	321.3	303.5	378.1	315.8
750	317.5	328.8	293.9	299.2	292.6	369.5	305.8
700	295.3	299.5	276.2	276.8	281.6	351.6	294.4
650	273.1	270.3	259.8	254.4	264.5	333.7	283.6
600	248.8	236.2	243.4	228.4	244.6	307.9	273.6
550	217.1	199.2	221.1	201.8	222.8	279.5	263.0
500	191.4	182.6	197.4	178.5	197.6	255.7	245.2
450	181.2	174.9	200.4	164.6	189.6	240.8	230.3
400	175.8	176.7	201.5	165.2	186.9	226.4	218.8
350	184.6		200.8	169.5	186.6	215.1	205.6
300	204.0		342.6		205.7	200.4	186.0
LONG	-49.98	-48.21	-46.14	-43.82	-39.27	-35.34	-30.96
LAT	-64.28	-66.09	-67.93	-69.69	-72.25	-73.91	-75.47
QUAL	23	33	32	32	32	32	32

Table III. —Continued

PASS 1498 AT AGASTA, 63 117								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	13716	13751	13827	13859	13937	14013	14049	14139
1000	0.176	0.174	0.176	0.177	0.167	0.154	0.151	0.197
950	0.186	0.191	0.192	0.192	0.180	0.166	0.161	0.148
900	0.208	0.209	0.211	0.211	0.196	0.180	0.175	0.157
850	0.237	0.237	0.237	0.237	0.221	0.203	0.193	0.171
800	0.271	0.276	0.272	0.272	0.255	0.231	0.220	0.190
750	0.322	0.322	0.319	0.320	0.303	0.271	0.253	0.215
700	0.393	0.386	0.386	0.390	0.369	0.324	0.293	0.252
650	0.482	0.482	0.495	0.496	0.453	0.401	0.357	0.311
600	0.643	0.639	0.675	0.679	0.586	0.543	0.488	0.401
550	0.880	0.882	0.942	0.943	0.810	0.742	0.650	0.629
500	1.276	1.294	1.392	1.384	1.180	1.093	1.024	1.096
450	1.960	2.017	2.091	1.989	1.793	1.788	1.717	1.952
400	2.964	3.035	3.105	2.957	2.821	2.919	3.156	4.164
350				3.941	4.015	4.895	6.040	6.998
300						7.027		
HEIGHT	SCALE HEIGHT, KM							
	601.6	572.1	536.2	578.2	632.1	719.9	702.8	845.0
950	454.2	475.7	479.4	479.2	471.4	530.6	564.4	698.1
900	381.2	390.1	397.6	400.0	404.1	391.8	455.1	537.9
850	324.2	329.8	337.4	337.0	323.3	346.3	368.0	448.4
800	263.7	306.4	302.1	288.8	275.2	305.7	337.0	353.9
750	242.0	263.6	229.8	244.5	244.6	255.2	306.0	269.4
700	220.4	198.1	173.9	172.8	216.2	201.1	240.5	229.5
650	183.7	166.1	159.4	164.7	186.4	179.0	171.6	161.5
600	150.0	150.1	145.0	153.9	155.1	156.8	129.8	104.8
550	127.7	122.6	131.2	139.1	132.5	120.9	105.1	92.0
500	119.4	116.3	122.9	122.6	115.3	101.8	91.0	74.6
450	139.3	140.5	143.6	145.7	117.6	100.0	77.4	71.1
400				252.2	177.2	110.5	87.2	151.7
350								
300						228.7		
LONG	-87.82	-87.52	-87.25	-87.01	-86.74	-86.50	-86.26	-85.98
LAT	-30.54	-28.58	-26.57	-24.78	-22.84	-20.81	-18.59	-15.77
QUAL	12	12	13	13	22	23	12	22

Table III.—Continued

PASS 1498 AT AGASSA; 63 117				
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)				
HEIGHT	TIME (UT)			
	14217	14310	14421	14439
1000	0.140	0.136	0.132	0.126
950	0.148	0.143	0.139	0.139
900	0.156	0.148	0.147	0.150
850	0.168	0.156	0.156	0.158
800	0.184	0.168	0.167	0.170
750	0.208	0.186	0.189	0.186
700	0.244	0.211	0.203	0.210
650	0.304	0.261	0.240	0.247
600	0.405	0.340	0.303	0.311
550	0.643	0.490	0.416	0.430
500	1.215	0.949	0.655	0.642
450	2.850	2.026	1.261	1.109
400	4.991	3.735	2.451	2.151
350	7.532	6.277	4.066	3.803
300				
HEIGHT	SCALE HEIGHT, KM			
	1181.4	1427.7	1019.5	621.1
950	1181.4	1427.7	1019.5	621.1
900	867.0	1195.1	894.1	835.9
850	685.5	825.0	777.1	797.7
800	465.7	621.7	647.9	650.7
750	361.0	426.6	533.2	468.2
700	270.0	311.4	358.3	357.9
650	200.1	206.3	255.8	265.6
600	148.9	172.3	195.0	182.2
550	94.9	87.2	144.9	150.4
500	71.8	72.6	97.6	117.3
450	69.4	71.3	77.8	86.0
400	95.4	87.3	84.7	78.5
350	229.9	136.5	105.8	102.4
300				
LONG	-85.73	-85.42	-85.04	-84.94
LAT	-13.62	-10.62	-6.61	-5.59
QUAL	23	23	23	23

Table III. —Continued

PASS 1498 AT QUITOE, 63 117			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	14159	14310	14421
1000	0.162	0.139	0.141
950	0.171	0.149	0.151
900	0.162	0.156	0.159
850	0.195	0.165	0.168
800	0.218	0.175	0.179
750	0.259	0.198	0.198
700	0.314	0.232	0.238
650	0.394	0.274	0.291
600	0.512	0.388	0.370
550	0.845	0.580	0.488
500	1.500	1.168	0.825
450	2.796	2.318	1.520
400	5.216	4.335	2.740
350	7.791	7.025	4.496
300			
HEIGHT	SCALE HEIGHT, KM		
950	843.1	927.3	893.1
900	717.3	908.5	883.1
850	564.5	709.5	754.7
800	453.2	630.4	626.3
750	373.4	502.2	504.2
700	293.6	375.7	394.5
650	221.9	249.2	284.8
600	162.3	173.7	204.3
550	112.6	106.9	153.9
500	87.7	74.2	103.6
450	72.2	76.7	84.8
400	99.8	86.3	90.5
350	327.2	166.8	111.2
300			
LONG	-85.84	-85.42	-85.04
LAT	-14.64	-10.62	-6.61
QUAL	22	23	23

Table III. —Continued

PASS 1499 AT RESLUT, 63 117		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	20521	21140
1000	0.034	0.018
950	0.038	0.019
900	0.043	0.022
850	0.050	0.027
800	0.058	0.032
750	0.068	0.037
700	0.079	0.044
650	0.092	0.055
600	0.109	0.069
550	0.133	0.087
500	0.163	0.115
450	0.223	0.153
400	0.313	0.216
350	0.465	0.294
300	0.702	
HEIGHT	SCALE HEIGHT, KM	
950	419.8	476.0
900	356.1	370.0
850	344.9	292.8
800	335.2	285.8
750	332.5	278.8
700	320.1	268.8
650	294.2	246.5
600	267.7	224.2
550	241.0	203.1
500	214.3	184.5
450	182.7	165.9
400	149.8	153.3
350	129.5	215.6
300	133.2	
LONG	-69.27	-17.90
LAT	63.80	79.94
QUAL	33	22

Table III.—Continued

PASS 1518 AT RESLUT, 63 118						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	113552	113628	113645	113703	113738	114406
1000	0.029	0.019	0.018	0.019	0.029	0.015
950	0.036	0.024	0.025	0.025	0.035	0.015
900	0.041	0.027	0.029	0.028	0.039	0.017
850	0.047	0.030	0.033	0.030	0.042	0.020
800	0.055	0.033	0.038	0.033	0.047	0.023
750	0.063	0.043	0.043	0.039	0.052	0.028
700	0.073	0.053	0.049	0.046	0.059	0.034
650	0.088	0.065	0.056	0.060	0.066	0.042
600	0.107	0.078	0.071	0.078	0.076	0.052
550	0.129	0.092	0.103	0.101	0.090	0.070
500	0.171	0.120	0.146	0.135	0.114	0.094
450	0.238	0.179		0.190	0.155	0.123
400	0.341	0.269		0.274	0.225	0.179
350	0.496	0.392		0.379	0.333	0.260
300	0.737	0.550		0.505		0.428
HEIGHT	SCALE HEIGHT, KM					
950						607.8
900	354.3	426.3	327.9	682.0	564.2	502.2
850	348.3	393.5	320.0	550.7	548.5	421.0
800	341.5	348.8	312.1	408.1	493.3	380.4
750	318.0	254.2	304.3	322.4	446.4	327.7
700	295.2	224.2	296.4	250.9	415.9	285.4
650	275.0	222.9	288.5	208.5	385.4	261.5
600	254.9	221.6	252.4	189.4	334.5	237.7
550	234.7	220.3	173.8	183.0	270.8	216.9
500	180.5	187.0	148.0	163.4	186.8	197.6
450	148.8	124.8		143.0	146.9	178.3
400	139.3	129.8		147.1	133.3	154.2
350	126.6	142.7		166.2	137.2	127.6
300	528.0	158.6		175.9		107.0
LONG	-175.58	-165.48	-160.43	-154.97	-143.19	-178.44
LAT	78.89	79.71	80.04	80.33	80.36	65.70
QUAL	32	33	33	33	33	31

Table III. —Continued

PASS 1518 AT OTTAWA, 63 118								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	114937	115013	115048	115252	115328	115403	115438	115532
1000	0.017	0.016	0.023	0.044	0.045	0.052	0.057	0.082
950	0.018	0.018	0.026	0.048	0.051	0.059	0.063	0.086
900	0.019	0.019	0.027	0.052	0.055	0.064	0.069	0.092
850	0.019	0.021	0.028	0.059	0.061	0.069	0.076	0.099
800	0.021	0.023	0.032	0.068	0.066	0.074	0.085	0.107
750	0.023	0.026	0.036	0.078	0.072	0.081	0.094	0.118
700	0.026	0.030	0.040	0.089	0.079	0.089	0.104	0.134
650	0.031	0.035	0.046	0.104	0.091	0.100	0.117	0.153
600	0.039	0.042	0.055	0.129	0.107	0.114	0.135	0.180
550	0.049	0.054	0.067	0.165	0.128	0.136	0.163	0.223
500	0.064	0.079	0.087	0.227	0.160	0.164	0.202	0.287
450	0.086	0.103	0.116	0.325	0.211	0.205	0.274	0.392
400	0.124	0.135	0.165	0.478	0.333	0.266	0.422	0.597
350	0.194	0.201	0.263	0.721	0.544	0.365	0.670	0.945
300	0.328	0.293	0.501	1.224	0.846	0.525	1.130	1.502
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	637.7	667.0	643.6	590.5	517.0	838.7		
900	614.8	799.9	475.1	612.6	673.6	503.9	755.8	
850	643.1	728.7	414.7	581.0	682.1	497.6	664.1	
800	545.6	520.1	544.1	377.9	546.6	621.2	495.4	538.8
750	412.2	413.8	423.5	376.3	501.7	537.0	492.1	463.3
700	327.0	339.2	391.5	338.9	455.9	446.0	464.3	403.7
650	261.2	304.9	333.3	267.7	361.6	393.8	376.9	349.8
600	222.4	251.0	267.0	216.9	295.1	343.8	304.9	260.7
550	199.4	138.0	219.2	185.2	250.6	300.8	251.8	225.3
500	183.2	154.5	187.2	161.4	212.3	257.8	210.9	188.5
450	157.9	162.7	158.6	142.5	144.2	215.6	137.2	148.8
400	127.8	153.0	129.0	128.3	118.2	179.0	111.4	123.7
350	106.8	125.6	94.5	111.2	105.0	147.9	106.0	108.0
300	81.3	126.1	84.8	95.9	100.2	133.7	84.7	98.3
LONG	-68.72	-68.14	-67.63	-66.12	-65.75	-65.41	-65.11	-64.66
LAT	47.92	45.93	43.99	37.11	35.10	33.14	31.18	28.16
QUAL	33	33	33	33	33	33	33	22

Table III. —Continued

PASS 1518 AT OTTAWA, 63 118			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	115607	115643	115700
1000	0.082	0.087	0.103
950	0.088	0.094	0.111
900	0.096	0.103	0.119
850	0.104	0.112	0.129
800	0.114	0.123	0.140
750	0.127	0.137	0.156
700	0.144	0.156	0.177
650	0.167	0.179	0.206
600	0.199	0.213	0.250
550	0.250	0.270	0.315
500	0.321	0.356	0.428
450	0.460	0.501	0.596
400	0.687	0.752	0.860
350	1.029	1.153	1.292
300	1.713	1.897	2.090
HEIGHT	SCALE HEIGHT, KM		
	641.6	608.3	698.9
950	641.6	608.3	698.9
900	652.0	597.0	651.6
850	584.0	544.2	629.6
800	498.2	484.5	515.2
750	427.6	428.0	444.6
700	370.3	381.9	368.5
650	314.2	328.5	293.7
600	259.1	243.5	237.3
550	215.9	207.4	193.6
500	177.9	170.6	168.9
450	149.9	135.5	148.2
400	127.1	126.2	135.3
350	114.6	111.5	116.6
300	91.2	93.0	97.5
LONG	-64.39	-64.13	-64.01
LAT	26.20	24.18	23.23
QUAL	21	12	12

Table III.—Continued

PASS 1518 AT AGASTA, 63 118							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	120648	120723	120759	120834	120910	120945	121020
1000	0.228	0.234	0.239	0.236	0.242	0.236	0.238
950	0.246	0.252	0.255	0.253	0.257	0.255	0.257
900	0.263	0.270	0.272	0.271	0.275	0.277	0.280
850	0.282	0.289	0.291	0.290	0.295	0.301	0.307
800	0.303	0.310	0.312	0.313	0.323	0.331	0.337
750	0.328	0.334	0.337	0.339	0.355	0.368	0.375
700	0.361	0.376	0.378	0.379	0.397	0.412	0.427
650	0.412	0.430	0.430	0.431	0.452	0.481	0.501
600	0.474	0.496	0.520	0.520	0.544	0.570	0.606
550	0.717	0.655	0.685	0.691	0.749	0.703	0.747
500	1.112	0.940	1.009	1.000	1.058	1.040	1.055
450	1.063	1.474	1.587	1.618	1.778	1.700	1.629
400	2.728	2.507	2.724	2.846	3.078	3.119	2.926
350	4.977	4.630	4.714	4.861	5.176	4.975	5.025
300	8.194	7.537	6.684	6.622			
HEIGHT	SCALE HEIGHT, KM						
	950	900	850	800	750	700	650
950	719.0	688.5	768.7	737.9	755.4	663.3	649.9
900	718.1	715.0	754.2	707.9	689.7	595.7	568.1
850	679.7	691.5	696.3	670.4	624.0	547.8	531.3
800	615.5	614.1	623.9	602.1	559.2	496.5	494.4
750	551.3	536.5	546.9	533.8	494.3	443.9	438.1
700	470.5	455.4	451.8	445.2	419.9	391.2	356.4
650	367.5	374.3	356.6	353.4	336.3	333.1	296.5
600	264.4	293.2	261.9	249.7	247.2	273.8	254.0
550	197.9	193.4	167.5	157.2	150.6	206.2	207.4
500	138.6	132.2	129.8	124.0	126.3	117.7	129.7
450	115.9	106.3	105.0	99.7	93.3	92.8	103.7
400	91.2	88.3	89.3	88.8	92.5	93.1	87.1
350	86.5	87.8	110.4	122.0	126.9	127.4	114.9
300	166.7	140.3	203.3	219.6			
LONG	-60.70	-60.51	-60.31	-60.10	-59.88	-59.66	-59.43
LAT	-9.80	-11.76	-13.78	-15.74	-17.76	-19.72	-21.68
QUAL	22	22	22	22	23	22	23

Table III.—Continued

PASS 1518 AT AGASTA, 63 118								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	121056	121131	121225	121313	121353	121429	121504	121522
1000	0.245	0.238	0.244	0.240	0.229	0.239	0.257	0.248
950	0.267	0.258	0.265	0.260	0.249	0.262	0.277	0.270
900	0.294	0.285	0.296	0.287	0.276	0.290	0.308	0.298
850	0.323	0.315	0.328	0.317	0.306	0.320	0.339	0.329
800	0.354	0.349	0.365	0.352	0.341	0.355	0.375	0.364
750	0.401	0.395	0.407	0.392	0.389	0.404	0.416	0.415
700	0.467	0.460	0.465	0.455	0.467	0.463	0.495	0.496
650	0.547	0.546	0.596	0.587	0.566	0.555	0.601	0.595
600	0.665	0.664	0.741	0.752	0.715	0.672	0.741	0.735
550	0.875	0.808	0.952	0.994	0.925	0.900	0.939	0.922
500	1.144	1.200	1.238	1.301	1.229	1.240	1.181	1.159
450	1.734	1.793	1.815	1.922	1.829	1.756	1.677	1.643
400	2.867	2.792	2.903	2.867	2.766	2.621	2.459	2.348
350	4.843	4.374	4.147	4.003	3.942	3.832	3.577	3.296
300					4.705		4.718	4.362
HEIGHT	SCALE HEIGHT, KM							
950	623.6	641.2	608.5	598.8	566.9	585.2	722.7	607.2
900	530.5	522.2	502.9	507.0	491.6	506.8	532.4	512.7
850	490.2	482.6	460.5	465.2	446.5	474.3	486.0	465.5
800	449.8	442.9	418.0	423.4	401.4	437.8	439.6	418.3
750	402.6	391.6	375.6	381.6	354.4	380.4	393.2	370.3
700	350.5	323.9	323.5	332.2	303.9	323.3	337.0	321.3
650	298.4	272.2	268.4	264.3	253.4	273.9	279.4	272.3
600	248.7	236.7	221.6	196.4	218.5	224.4	232.8	240.2
550	204.1	201.1	198.2	179.0	192.0	183.3	210.2	217.3
500	159.5	142.1	168.6	162.9	160.2	152.3	187.5	190.4
450	115.0	120.9	123.5	127.0	124.4	136.8	137.7	141.6
400	95.6	109.4	122.5	137.3	130.1	125.7	132.0	145.5
350	122.7	140.9	149.3	198.6	184.2	163.2	154.0	160.3
300					594.9		318.4	252.4
LONG	-59.19	-58.94	-58.53	-58.13	-57.77	-57.42	-57.08	-56.87
LAT	-23.69	-25.64	-28.64	-31.31	-33.53	-35.53	-37.47	-38.46
QUAL	23	23	23	22	22	22	22	22

Table III. —Continued

PASS 1518 AT SOLANT, 63 118								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	121936	122013	122049	122124	122200	122235	122310	122346
1000	0.201	0.201	0.200	0.176	0.165	0.175	0.168	0.167
950	0.224	0.225	0.229	0.197	0.189	0.194	0.188	0.189
900	0.252	0.251	0.259	0.222	0.215	0.219	0.213	0.215
850	0.287	0.278	0.291	0.251	0.245	0.250	0.244	0.247
800	0.329	0.318	0.329	0.287	0.282	0.284	0.279	0.282
750	0.378	0.366	0.375	0.330	0.326	0.322	0.318	0.322
700	0.438	0.427	0.440	0.391	0.383	0.380	0.374	0.380
650	0.529	0.500	0.521	0.465	0.456	0.455	0.446	0.449
600	0.654	0.603	0.639	0.563	0.545	0.549	0.535	0.536
550	0.828	0.786	0.810	0.720	0.693	0.693	0.670	0.668
500	1.080	1.053	1.063	0.940	0.893	0.881	0.847	0.837
450	1.488	1.465	1.433	1.284	1.197	1.167	1.121	1.082
400	2.131	2.071	1.931	1.817	1.661	1.580	1.508	1.428
350	3.004	2.890	2.612	2.563	2.283	2.124	2.070	1.878
300	4.134	3.953	3.517	3.284	3.165	2.832	2.828	2.445
HEIGHT	SCALE HEIGHT, KM							
	434.7	456.4	383.2	417.7	379.0	438.7	418.1	395.7
950	434.7	456.4	383.2	417.7	379.0	438.7	418.1	395.7
900	405.2	442.8	407.1	403.9	374.1	413.2	393.2	381.2
850	377.9	418.7	408.4	386.6	366.2	387.9	371.0	369.0
800	357.1	376.4	376.6	355.6	346.2	363.8	352.9	350.6
750	336.8	336.8	344.6	324.9	322.2	339.7	334.8	332.1
700	310.3	309.7	311.5	299.4	299.3	310.2	310.1	310.5
650	261.1	282.7	278.3	273.9	276.7	280.0	284.1	288.8
600	228.0	248.7	243.6	246.1	253.6	250.5	257.6	266.1
550	208.1	198.6	207.8	210.9	219.4	224.2	228.5	238.7
500	177.6	165.0	181.0	178.5	187.6	197.9	200.8	212.0
450	148.3	148.8	170.1	154.2	163.8	172.7	177.5	191.8
400	141.6	147.9	169.0	145.3	156.7	168.9	165.8	184.2
350	150.0	152.2	158.3	165.6	154.1	171.5	150.2	186.1
300	211.4	204.3	222.3	321.8	216.3	177.9	2304.8	206.9
LONG	-53.01	-52.20	-51.32	-50.33	-49.25	-47.94	-46.52	-44.81
LAT	-52.39	-54.40	-56.35	-58.22	-60.15	-62.00	-63.84	-65.71
QUAL	33	33	32	33	32	33	32	32

Table III. —Continued

PASS 1518 AT SULANT, 63 118			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	122421	122457	122532
1000	0.170	0.167	0.172
950	0.195	0.188	0.193
900	0.222	0.211	0.217
850	0.252	0.237	0.244
800	0.286	0.273	0.279
750	0.325	0.316	0.321
700	0.376	0.372	0.368
650	0.436	0.438	0.420
600	0.506	0.522	0.493
550	0.616	0.650	0.603
500	0.750	0.812	0.752
450	0.931	1.032	0.946
400	1.191	1.353	1.214
350	1.603	1.802	1.641
300	2.101	2.373	2.244
HEIGHT	SCALE HEIGHT, KM		
	371.1	421.2	418.7
950	371.1	421.2	418.7
900	382.9	407.6	410.2
850	392.4	388.5	401.6
800	375.7	352.2	378.0
750	358.7	322.1	358.6
700	340.5	305.4	355.4
650	322.3	288.8	352.2
600	303.8	269.9	266.3
550	278.5	244.2	252.3
500	253.2	219.6	238.3
450	221.3	200.5	214.0
400	188.2	182.6	185.5
350	169.3	178.8	164.2
300	186.5	219.2	187.0
LONG	-42.83	-40.59	-37.72
LAT	-67.50	-69.33	-71.04
QUAL	32	33	33

Table III.—Continued

PASS 1525 AT AGASTA, 65 119								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	10516	10551	10627	10702	10738	10813	10849	10924
1000	0.252	0.253	0.257	0.246	0.260	0.258	0.251	0.245
950	0.261	0.278	0.282	0.271	0.288	0.276	0.273	0.263
900	0.319	0.309	0.313	0.306	0.325	0.311	0.303	0.291
850	0.365	0.353	0.363	0.352	0.375	0.362	0.348	0.327
800	0.420	0.409	0.428	0.406	0.438	0.419	0.403	0.368
750	0.465	0.479	0.504	0.469	0.519	0.486	0.467	0.417
700	0.564	0.562	0.593	0.575	0.616	0.563	0.554	0.519
650	0.722	0.679	0.738	0.717	0.749	0.728	0.702	0.657
600	0.942	0.893	0.936	0.919	1.026	0.968	0.909	0.865
550	1.256	1.189	1.211	1.263	1.412	1.310	1.215	1.196
500	1.795	1.641	1.675	1.802	1.971	1.905	1.754	1.793
450	2.603	2.397	2.415	2.731	2.986	2.898	2.705	2.856
400	4.075	3.697	3.672	4.276	4.644	4.552	4.372	4.921
350	5.887	5.475	5.539	6.367	7.002	7.139	7.444	8.416
300	7.861	7.504	7.783	8.906	9.907	10.864	11.626	13.298
HEIGHT	SCALE HEIGHT, KM							
	423.9	473.2	472.7	453.5	442.6	651.1	508.2	612.1
950	423.9	473.2	472.7	453.5	442.6	651.1	508.2	612.1
900	394.5	425.4	429.3	402.5	386.5	495.1	445.9	500.2
850	365.2	374.9	382.8	359.4	352.9	367.5	387.6	424.4
800	336.6	333.7	336.4	330.1	319.4	337.3	340.9	374.0
750	307.9	307.0	301.2	300.3	288.8	307.1	304.1	323.6
700	265.6	280.3	267.6	254.8	258.5	276.9	265.8	265.4
650	218.2	246.3	235.0	213.9	225.9	227.2	223.5	206.9
600	188.6	192.9	202.1	182.7	183.5	173.3	186.1	174.8
550	161.6	166.7	177.0	158.1	153.7	152.2	155.8	143.7
500	135.8	145.0	153.2	136.5	137.8	129.6	129.9	117.8
450	123.1	125.9	129.6	116.1	118.0	114.2	111.0	99.1
400	125.4	118.4	120.1	118.0	118.7	116.0	97.9	90.2
350	148.9	137.5	131.1	131.4	125.0	108.8	97.9	98.2
300	235.2	236.2	194.4	207.5	191.1	143.1	161.9	133.3
LONG	-84.67	-84.34	-84.02	-83.72	-83.45	-83.19	-82.94	-82.70
LAT	-34.62	-32.66	-30.65	-28.69	-26.67	-24.70	-22.68	-20.71
QUAL	22	22	22	23	23	23	23	23

Table III. — Continued

PASS 1525 AT AGASTA, 63 119		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	10959	11035
1000	0.216	0.220
950	0.234	0.236
900	0.254	0.255
850	0.265	0.280
800	0.324	0.316
750	0.371	0.346
700	0.425	0.424
650	0.559	0.546
600	0.747	0.724
550	1.022	1.134
500	1.592	1.833
450	2.543	3.211
400	4.507	5.865
350	7.968	9.275
300	12.103	
HEIGHT	SCALE HEIGHT, KM	
	615.9	773.3
950	615.9	773.3
900	538.8	601.9
850	445.5	506.0
800	383.0	439.0
750	333.7	371.9
700	284.5	268.6
650	220.2	184.4
600	166.2	147.1
550	137.2	116.4
500	116.7	100.5
450	99.7	83.7
400	86.4	89.0
350	92.5	194.3
300	180.2	
LONG	-82.48	-82.25
LAT	-18.74	-16.70
QUAL	23	23

Table III.—Continued

PASS 1525 AT QUITOE, 63 119							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	11221	11314	11350	11425	11443	11555	11613
1000	0.117	0.118	0.118	0.118	0.166	0.171	0.158
950	0.151	0.131	0.132	0.132	0.178	0.180	0.167
900	0.142	0.144	0.147	0.147	0.189	0.187	0.173
850	0.153	0.157	0.162	0.162	0.203	0.196	0.181
800	0.167	0.171	0.179	0.179	0.218	0.206	0.190
750	0.184	0.188	0.197	0.199	0.235	0.221	0.210
700	0.209	0.208	0.219	0.223	0.283	0.270	0.252
650	0.253	0.235	0.250	0.254	0.351	0.336	0.307
600	0.352	0.290	0.297	0.299	0.436	0.417	0.378
550	0.544	0.416	0.392	0.378	0.574	0.510	0.465
500	1.023	0.707	0.630	0.522	0.758	0.618	0.567
450	2.611	1.504	1.207	0.903	1.332	0.699	0.983
400	6.153	4.146	3.045	1.948		1.488	1.402
350			7.331				1.850
300							
HEIGHT	SCALE HEIGHT, KM						
	950	900	850	800	750	700	650
950	531.6	517.9	475.0	463.5	823.7	1203.7	1298.4
900	629.5	545.1	495.8	497.2	734.4	1100.0	1145.7
850	612.7	553.1	500.8	496.9	648.6	937.0	964.3
800	543.3	545.9	501.2	480.6	562.8	773.9	783.0
750	462.9	510.2	499.1	453.2	476.9	611.0	618.5
700	346.4	449.5	402.7	409.3	395.2	448.9	476.0
650	206.3	343.4	341.9	342.3	314.0	286.8	333.4
600	124.1	182.1	259.5	265.7	232.8	227.8	243.7
550	101.5	119.7	142.2	201.9	183.0	208.1	211.6
500	68.0	81.6	84.0	131.5	141.3	188.4	179.4
450	48.6	53.2	68.2	72.9	87.6	109.9	121.8
400	96.2	55.2	54.4	62.9		142.8	160.5
350			63.8				192.5
300							
LONG	-81.63	-81.34	-81.14	-80.96	-80.86	-80.49	-80.39
LAT	-10.71	-7.72	-5.68	-3.70	-2.68	1.39	2.41
QUAL	23	23	23	23	23	23	23

Table III.—Continued

PASS 1526 AT RESLUT, 63 119		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	13535	13610
1000	0.083	0.024
950	0.087	0.032
900	0.091	0.040
850	0.096	0.048
800	0.105	0.056
750	0.115	0.066
700	0.127	0.079
650	0.146	0.094
600	0.173	0.117
550	0.209	0.146
500	0.267	0.183
450	0.352	0.253
400	0.476	0.345
350	0.660	0.533
300		0.908
HEIGHT	SCALE HEIGHT, KM	
900	957.8	
850	726.5	280.3
800	538.8	302.4
750	483.1	297.2
700	427.4	278.3
650	368.1	249.7
600	308.3	231.7
550	251.4	215.0
500	201.9	198.4
450	176.9	171.4
400	179.3	144.0
350	232.3	111.3
300		91.2
LONG	-62.34	-60.19
LAT	67.00	68.79
QUAL	33	33

Table III.—Continued

PASS 1538 AT AGASTA, 63 120								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	235819	235855	235939	5	30	116	151	245
1000	0.226	0.237	0.239	0.237	0.229	0.217	0.221	0.221
950	0.255	0.265	0.268	0.269	0.259	0.248	0.245	0.238
900	0.282	0.296	0.305	0.307	0.293	0.275	0.268	0.257
850	0.325	0.342	0.358	0.356	0.338	0.317	0.310	0.284
800	0.360	0.403	0.426	0.425	0.398	0.374	0.366	0.319
750	0.452	0.485	0.507	0.519	0.481	0.452	0.443	0.459
700	0.559	0.607	0.606	0.643	0.586	0.556	0.587	0.702
650	0.677	0.816	0.789	0.796	0.764	0.766	0.883	0.978
600	0.941	1.091	1.056	1.067	1.211	1.234	1.347	1.697
550	1.304	1.542	1.481	1.655	2.048	2.103	2.223	2.613
500	1.969	2.334	2.317	2.963	3.772	3.491	3.365	4.024
450	3.015	3.557	3.813	5.413	6.246	5.357	5.166	6.034
400	4.760	5.610	6.554	9.448	9.499	8.070	7.635	8.151
350	7.291	8.689	11.630		12.299	10.668	10.977	
300	9.745							
HEIGHT	SCALE HEIGHT, KM							
	413.6	430.8	401.3	366.4	393.2	390.0	468.5	644.5
950								
900	400.2	392.1	350.9	341.3	369.0	384.0	426.5	527.8
850	356.1	334.6	313.1	313.1	331.3	344.0	353.9	436.5
800	312.0	288.6	284.9	279.9	288.6	295.9	285.8	345.1
750	282.7	243.8	264.1	248.3	252.3	251.3	230.4	137.0
700	254.6	206.7	242.0	225.2	217.2	208.8	163.5	113.0
650	193.2	170.9	198.3	202.1	163.8	143.1	119.2	114.5
600	146.5	158.1	161.0	163.0	107.9	101.1	111.8	108.8
550	135.6	130.4	134.4	103.9	88.5	95.4	112.7	113.7
500	128.2	117.1	109.2	84.5	88.3	110.5	117.1	118.9
450	115.3	114.5	97.2	82.5	111.4	117.1	124.8	133.3
400	113.7	110.6	88.0	119.7	135.0	136.3	137.6	301.1
350	126.6	109.5	112.7		395.5	237.8	285.7	
300	271.3							
LONG	-68.65	-68.54	-68.21	-68.01	-67.84	-67.53	-67.30	-66.97
LAT	-30.57	-28.55	-26.08	-24.62	-23.21	-20.63	-18.65	-15.60
QUAL	25	25	25	23	22	23	23	22

Table III.—Continued

PASS 1538 AT AGASTA, 63 120			
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)			
HEIGHT	TIME (UT)		
	320	325	635
1000	0.229	0.200	0.187
950	0.245	0.215	0.202
900	0.272	0.229	0.212
850	0.310	0.240	0.227
800	0.371	0.266	0.245
750	0.529	0.316	0.266
700	0.782	0.396	0.306
650	1.216	0.549	0.372
600	1.772	0.855	0.486
550	2.710	1.331	0.702
500	4.072	2.218	1.235
450	5.921	3.828	2.426
400		6.346	4.443
350		9.515	
300			
HEIGHT	SCALE HEIGHT, KM		
	320	325	635
950	332.4		
900	427.1	960.6	809.6
850	337.3	724.4	702.3
800	236.7	425.5	594.5
750	135.2	259.5	473.5
700	121.2	193.6	329.9
650	126.0	135.9	239.8
600	125.3	116.6	170.6
550	118.8	104.6	116.8
500	127.6	94.6	82.1
450	156.4	95.0	76.9
400		108.5	93.3
350		145.4	
300			
LONG	-66.76	-66.06	-65.69
LAT	-13.03	-6.56	-2.60
QUAL	22	23	23

Table III. —Continued

PASS 1538 AT QUITOE, 63 120			
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)			
HEIGHT	TIME (UT)		
	625	1300	1318
1000	0.176	0.153	0.163
950	0.185	0.161	0.170
900	0.195	0.167	0.175
850	0.208	0.173	0.180
800	0.222	0.182	0.185
750	0.242	0.192	0.192
700	0.288	0.203	0.204
650	0.349	0.219	0.223
600	0.466	0.243	0.260
550	0.666		0.390
500	1.260		0.524
450	2.505		0.616
400			
350			
300			
HEIGHT	SCALE HEIGHT, KM		
	950	1495.6	1459.3
900	821.1	1357.9	1717.4
850	714.7	1147.4	1646.1
800	608.4	990.1	1409.4
750	498.1	914.3	1133.1
700	371.5	774.2	801.2
650	244.8	603.3	423.6
600	175.9	365.1	217.7
550	119.0		183.7
500	77.6		254.0
450	72.8		333.4
400			
350			
300			
LONG	-65.69	-63.53	-63.41
LAT	-2.00	19.17	20.19
QUAL	23	23	23

Table III.—Continued

PASS 1539 AT FIMYRS, 63 120				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	1301	1429	1505	1540
1000	0.154	0.165	0.124	0.095
950	0.167	0.176	0.135	0.106
900	0.170	0.181	0.141	0.113
850	0.190	0.199	0.147	0.118
800	0.197	0.210	0.154	0.122
750	0.195	0.202	0.160	0.128
700	0.209	0.218	0.167	0.136
650	0.230	0.235	0.176	0.146
600	0.265	0.249	0.192	0.159
550	0.316	0.261	0.224	0.174
500	0.391	0.273	0.298	0.202
450		0.375	0.412	0.246
400		0.467		0.315
350		0.594		0.432
300		0.871		0.601
HEIGHT	SCALE HEIGHT, KM			
950				
900				
850	1102.8	1639.1	1216.0	1318.4
800	1197.1	1722.1	1214.2	1167.2
750	1162.1	1710.6	1104.2	949.2
700	648.4	913.5	954.9	784.9
650	432.9	729.4	805.6	643.5
600	320.7	675.3	529.7	552.5
550	259.8	621.3	258.3	461.5
500	185.7	567.3	156.9	341.8
450		190.7	151.7	229.4
400		198.4		188.2
350		155.6		151.5
300		135.9		154.5
LONG	-63.52	-62.92	-62.66	-62.39
LAT	19.23	24.20	26.23	28.20
QUAL	33	33	33	33

Table III.—Continued

PASS 1546 AT RESLUT, 63 120						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	125716	125734	125809	125845	125938	130107
1000	0.006	0.004	0.015	0.004	0.004	0.005
950	0.007	0.006	0.016	0.006	0.005	0.006
900	0.008	0.006	0.017	0.008	0.006	0.007
850	0.010	0.007	0.018	0.011	0.008	0.008
800	0.012	0.008	0.020	0.013	0.011	0.009
750	0.015	0.011	0.024	0.016	0.015	0.011
700	0.021	0.015	0.028	0.021	0.019	0.014
650	0.030	0.021	0.033	0.026	0.023	0.018
600	0.044	0.028	0.040	0.033	0.029	0.024
550	0.063	0.042	0.052	0.046	0.043	0.034
500	0.094	0.061	0.068	0.062	0.061	0.049
450	0.142	0.094	0.089	0.088	0.082	0.073
400	0.217	0.154	0.122	0.125	0.121	0.114
350	0.318		0.166	0.182	0.180	0.188
300	0.440			0.281	0.291	0.309
HEIGHT	SCALE HEIGHT, KM					
	301.1	497.9	1478.9		275.1	
950	301.1	497.9	1478.9		275.1	
900	304.5	465.1	1096.9		235.8	431.7
850	252.2	405.0	801.5	211.1	212.4	368.9
800	223.5	326.9	575.6	217.4	188.9	286.0
750	187.7	238.3	351.4	223.8	187.8	256.7
700	148.7	166.8	317.4	213.0	187.7	227.3
650	141.2	156.6	283.4	202.0	187.6	193.2
600	137.3	146.3	246.9	190.9	187.0	157.9
550	133.0	138.0	204.7	174.8	175.3	148.1
500	122.7	129.7	182.3	158.8	163.6	139.7
450	123.7	113.4	171.2	148.2	151.8	124.7
400	124.5	83.6	156.8	139.8	133.5	107.8
350	143.8		142.0	127.8	114.9	101.6
300	168.4			110.2	103.3	105.6
LONG	-107.47	-106.11	-103.64	-101.59	-99.07	-95.82
LAT	70.60	69.71	67.95	66.09	63.31	58.54
QUAL	23	23	23	23	33	22

Table III. —Continued

PASS 1546 AT QUITOE, 63 120								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	131418	131453	131529	131622	131657	131733	131808	131901
1000	0.140	0.139	0.137	0.141	0.115	0.124	0.133	0.143
950	0.143	0.144	0.143	0.146	0.127	0.132	0.143	0.154
900	0.149	0.150	0.150	0.151	0.139	0.140	0.155	0.165
850	0.157	0.160	0.160	0.161	0.151	0.151	0.170	0.178
800	0.172	0.173	0.175	0.177	0.166	0.166	0.186	0.192
750	0.187	0.188	0.194	0.193	0.182	0.186	0.204	0.208
700	0.203	0.207	0.215	0.213	0.208	0.212	0.224	0.236
650	0.225	0.239	0.244	0.246	0.247	0.249	0.264	0.279
600	0.253	0.293	0.292	0.291	0.295	0.296	0.320	0.333
550	0.296	0.364	0.361	0.361	0.352	0.380	0.395	0.420
500	0.371	0.455	0.454	0.514	0.463	0.506	0.558	0.573
450	0.604	0.563	0.570	0.733	0.684	0.675	0.775	0.777
400	0.917	0.793	0.916	1.025	1.011	0.963	1.129	1.163
350	1.236	1.297	1.452	1.537	1.480	1.554	1.683	1.765
300	1.935	1.994	2.242	2.567	2.462	2.457	2.780	2.991
HEIGHT	SCALE HEIGHT, KM							
	1626.9	1171.6	1186.2	1609.1	550.2	799.7	650.0	679.9
950	1236.8	949.0	894.6	1151.1	549.6	706.4	583.9	657.9
900	870.6	755.2	710.0	811.0	523.5	609.5	540.5	604.5
850	660.0	602.4	571.9	579.2	476.6	517.8	501.5	551.2
800	572.1	523.0	486.6	516.3	429.7	428.0	462.6	497.8
750	526.1	443.6	425.9	434.8	384.4	365.9	423.6	432.2
700	457.0	363.5	356.8	334.8	340.2	310.9	354.7	355.6
650	387.8	282.6	269.0	264.0	296.1	255.2	277.3	279.0
600	295.8	226.8	225.9	203.7	251.9	199.1	206.9	219.6
550	167.3	207.6	200.3	168.7	204.2	174.5	179.7	183.9
500	140.4	188.4	174.7	143.9	150.9	158.0	152.5	149.5
450	131.5	152.7	135.2	135.5	125.2	136.6	133.4	131.6
400	135.1	108.2	110.6	117.8	117.6	107.6	115.5	111.6
350	94.9	112.1	113.7	103.7	99.6	105.9	97.3	88.8
300								
LONG	-85.76	-85.56	-85.36	-85.06	-84.88	-84.69	-84.51	-84.23
LAT	14.63	12.66	10.64	7.65	5.69	3.67	1.70	-1.27
QUAL	22	23	23	23	23	23	23	23

Table III.—Continued

PASS 1546 AT QUITOE, 63 120								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	131937	132012	132048	132123	132159	132310	132354	132436
1000	0.148	0.164	0.166	0.176	0.178	0.180	0.167	0.169
950	0.158	0.176	0.179	0.191	0.192	0.191	0.179	0.181
900	0.170	0.190	0.193	0.206	0.205	0.206	0.193	0.194
850	0.184	0.206	0.208	0.224	0.221	0.222	0.210	0.210
800	0.201	0.226	0.230	0.244	0.239	0.242	0.228	0.228
750	0.221	0.262	0.266	0.281	0.261	0.269	0.249	0.248
700	0.247	0.307	0.312	0.329	0.288	0.302	0.277	0.295
650	0.281	0.364	0.368	0.387	0.329	0.350	0.331	0.355
600	0.333	0.449	0.439	0.457	0.380	0.411	0.396	0.428
550	0.411	0.593	0.592	0.599	0.439	0.483	0.480	0.548
500	0.541	0.776	0.783	0.787	0.586	0.648	0.639	0.728
450	0.723	1.138	1.176	1.160	0.854	1.009	0.842	1.119
400	1.090	1.696	1.837	1.841	1.339	1.542	1.342	1.814
350	1.673	2.771	3.142	3.273	2.579	2.938		2.935
300	3.435	4.943	5.747	5.695	5.008	5.056		4.842
HEIGHT	SCALE HEIGHT, KM							
	699.3	666.6	672.4	621.2	702.6	712.2	651.3	695.6
950	699.3	666.6	672.4	621.2	702.6	712.2	651.3	695.6
900	660.0	626.2	614.0	586.6	676.0	652.4	605.2	633.9
850	600.3	527.4	524.1	518.7	632.5	599.9	562.3	572.5
800	538.2	444.0	453.3	452.2	572.7	543.7	519.4	511.2
750	479.0	394.3	404.9	406.5	512.8	459.0	476.5	449.8
700	414.9	344.6	356.4	360.7	453.7	376.0	428.1	387.6
650	347.2	294.9	308.0	314.9	396.8	335.3	361.4	325.4
600	281.6	247.5	259.4	269.0	340.0	294.7	294.8	263.1
550	217.7	204.4	208.0	213.1	283.2	254.1	231.8	208.1
500	183.2	162.3	156.7	159.8	199.4	187.8	194.1	158.6
450	154.2	139.9	129.3	127.3	121.6	110.9	156.5	127.3
400	127.1	117.8	106.1	100.6	100.2	101.0	104.1	107.2
350	99.6	96.2	85.3	86.6	73.0	79.7		98.3
300	69.0	88.9	94.2	75.7	108.8	136.2		244.4
LONG	-94.04	-83.86	-83.66	-83.48	-83.29	-82.87	-82.61	-82.35
LAT	-3.29	-5.25	-7.28	-9.24	-11.26	-15.24	-17.70	-20.05
QUAL	23	22	22	22	22	22	23	22

Table III. —Continued

PASS 1546 AT QUITOE, 63 120			
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)			
HEIGHT	TIME (UT)		
	132512	132547	132623
1000	0.165	0.164	0.156
950	0.178	0.174	0.165
900	0.194	0.190	0.176
850	0.212	0.209	0.191
800	0.232	0.230	0.211
750	0.255	0.255	0.237
700	0.280	0.282	0.273
650	0.337	0.324	0.320
600	0.408	0.416	0.387
550	0.512	0.531	0.492
500	0.692	0.712	0.654
450	1.022	0.959	0.921
400	1.572	1.488	1.327
350	2.528	2.410	2.069
300	4.114	3.872	3.410
HEIGHT	SCALE HEIGHT, KM		
	132512	132547	132623
950	637.9	704.0	756.6
900	560.4	590.4	636.5
850	525.0	521.7	539.3
800	489.7	480.3	473.2
750	454.4	438.9	411.7
700	419.1	397.5	354.4
650	345.9	343.5	300.2
600	271.8	276.9	239.5
550	206.1	205.3	194.5
500	156.8	171.0	169.8
450	130.6	147.7	147.6
400	113.5	118.3	129.0
350	104.7	106.4	108.5
300	135.6	170.6	129.3
LONG	-82.11	-81.87	-81.61
LAT	-22.06	-24.02	-26.03
QUAL	22	22	22

Table III.—Continued

PASS 1546 AT AGASTA, 63 120								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	132454	132529	132601	132640	132716	132751	132827	132902
1000	0.172	0.164	0.151	0.149	0.142	0.143	0.135	0.131
950	0.166	0.174	0.161	0.159	0.152	0.150	0.142	0.138
900	0.203	0.185	0.173	0.169	0.162	0.159	0.150	0.146
850	0.221	0.199	0.188	0.182	0.175	0.170	0.159	0.155
800	0.243	0.215	0.205	0.206	0.195	0.187	0.171	0.167
750	0.266	0.233	0.224	0.240	0.214	0.208	0.186	0.185
700	0.294	0.265	0.266	0.282	0.242	0.236	0.210	0.207
650	0.345	0.309	0.328	0.333	0.279	0.268	0.240	0.232
600	0.408	0.373	0.404	0.412	0.343	0.305	0.276	0.267
550	0.510	0.453	0.498	0.515	0.439	0.403	0.345	0.313
500	0.696	0.584	0.611	0.662	0.575	0.553	0.454	0.455
450	1.007	0.892	0.960	0.970	0.788	0.781	0.635	0.625
400	1.492	1.307	1.445	1.423	1.189	1.102	0.905	0.802
350	2.442	2.077	2.127	2.126	1.805	1.814	1.379	1.080
300	4.211	3.689	3.513	3.409	2.848	2.981	2.304	1.812
HEIGHT	SCALE HEIGHT, KM							
	607.5	780.0	671.2	810.4	758.5	926.9	939.2	910.0
950	607.5	780.0	671.2	810.4	758.5	926.9	939.2	910.0
900	578.0	721.1	615.3	665.4	672.7	791.0	646.3	808.2
850	543.3	662.3	559.5	530.5	591.8	658.9	764.8	702.4
800	503.8	603.5	503.6	474.8	528.2	542.7	620.8	613.2
750	464.4	544.7	447.8	419.0	464.6	433.8	496.9	547.4
700	421.5	427.6	379.7	363.3	388.4	388.0	437.4	481.5
650	352.1	290.5	306.8	307.6	299.4	342.3	377.9	414.1
600	282.7	257.5	241.6	261.1	238.8	296.6	318.4	328.0
550	219.1	224.5	212.1	218.5	195.6	228.7	251.3	243.2
500	164.7	185.8	182.4	178.6	174.1	154.7	179.6	177.3
450	136.2	130.6	141.9	149.6	151.3	141.8	150.7	159.4
400	119.8	120.5	122.9	128.6	126.2	127.9	132.3	159.2
350	96.9	97.0	115.2	117.4	117.1	102.9	113.7	142.0
300	108.7	112.2	119.2	108.0	114.4	101.7	89.2	91.4
LONG	-82.23	-81.99	-81.77	-81.48	-81.20	-80.91	-80.59	-80.27
LAT	-21.05	-23.01	-24.81	-26.98	-28.98	-30.92	-32.92	-34.86
QUAL	22	22	22	22	22	22	22	22

Table III.—Continued

PASS 1546 AT AGASTA, 63 120							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	132938	133013	133106	133142	133235	133311	133328
1000	0.127	0.132	0.161	0.162	0.171	0.160	0.151
950	0.134	0.138	0.167	0.168	0.177	0.169	0.159
900	0.141	0.144	0.172	0.175	0.184	0.176	0.167
850	0.151	0.151	0.178	0.184	0.193	0.184	0.175
800	0.163	0.159	0.186	0.194	0.203	0.195	0.185
750	0.177	0.168	0.196	0.206	0.215	0.209	0.195
700	0.200	0.180	0.207	0.223	0.230	0.227	0.226
650	0.232	0.206	0.240	0.251	0.250	0.247	0.270
600	0.270	0.243	0.285	0.290	0.278	0.284	0.325
550	0.316	0.299	0.341	0.349	0.321	0.337	0.384
500	0.407	0.376	0.416	0.433	0.404	0.413	0.451
450	0.531	0.512	0.528	0.569	0.559	0.535	0.525
400	0.774	0.707	0.892	0.778	0.758	0.696	0.707
350	1.152	0.969	1.275	1.150	1.037	0.915	0.933
300	1.808	1.461	1.764	1.725	1.501	1.344	1.302
HEIGHT	SCALE HEIGHT, KM						
	882.2	1133.2	1696.4	1575.5	1279.7		1012.6
950	882.2	1133.2	1696.4	1575.5	1279.7		1012.6
900	783.8	1127.2	1374.9	1147.4	1146.2	1198.7	972.1
850	693.4	993.6	1213.4	939.3	1031.1	1005.7	858.9
800	603.9	869.1	1051.9	834.6	952.2	822.5	745.7
750	514.3	744.6	890.4	738.6	783.4	661.7	632.5
700	452.3	620.1	728.9	550.7	673.6	571.8	522.7
650	396.5	450.3	567.1	378.2	568.6	481.9	413.4
600	340.7	279.2	405.2	303.6	435.5	372.0	304.0
550	284.9	238.1	269.7	255.8	294.5	276.7	285.5
500	223.6	198.3	222.6	218.2	175.9	223.6	269.6
450	163.0	167.1	174.3	182.0	159.7	192.6	253.6
400	141.1	151.2	120.3	146.8	161.3	189.1	170.1
350	120.7	142.2	139.1	133.2	150.9	158.2	163.8
300	102.7	110.9	169.9	129.7	119.2	117.4	134.4
LONG	-79.90	-79.53	-78.91	-78.43	-77.65	-77.07	-76.77
LAT	-36.85	-38.79	-41.72	-43.70	-46.61	-48.58	-49.51
QUAL	22	23	22	23	23	22	23

Table III. —Continued

PASS 1546 AT SOLANT, 63 120								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	133540	133615	133726	133820	133930	134041	134135	134246
1000	0.090	0.070	0.063	0.059	0.074	0.069	0.064	0.077
950	0.103	0.081	0.073	0.068	0.083	0.080	0.075	0.090
900	0.114	0.091	0.082	0.079	0.093	0.092	0.086	0.104
850	0.121	0.103	0.094	0.091	0.106	0.107	0.097	0.119
800	0.131	0.118	0.108	0.104	0.122	0.125	0.110	0.136
750	0.144	0.135	0.125	0.122	0.141	0.146	0.126	0.160
700	0.160	0.154	0.145	0.142	0.164	0.170	0.145	0.187
650	0.180	0.175	0.171	0.171	0.190	0.200	0.168	0.219
600	0.204	0.199	0.205	0.208	0.228	0.244	0.197	0.256
550	0.235	0.242	0.254	0.252	0.278	0.299	0.234	0.312
500	0.272	0.296	0.329	0.325	0.354	0.383	0.282	0.379
450	0.314	0.385	0.434	0.427	0.452	0.490	0.350	0.462
400	0.364	0.506	0.605	0.553	0.586	0.652	0.435	0.594
350	0.531	0.738	0.893	0.765	0.768	0.886	0.559	0.760
300	0.964	1.158	1.499	1.203	1.161	1.318	0.716	1.028
HEIGHT	SCALE HEIGHT, KM							
900	672.7	388.8	378.3	345.9	392.6	339.4	383.3	352.6
850	662.5	389.4	363.0	344.1	375.8	330.6	389.8	341.7
800	596.9	375.1	348.8	338.4	359.1	321.9	374.4	331.3
750	551.9	362.5	336.6	316.3	342.7	312.5	359.3	323.1
700	506.8	352.0	324.4	294.2	326.5	303.1	344.8	314.8
650	461.8	341.5	293.4	275.3	310.2	287.1	330.2	306.6
600	416.8	327.2	253.6	257.4	277.1	255.8	307.6	297.2
550	380.2	273.5	216.3	239.5	234.9	227.7	280.1	275.7
500	343.7	222.2	191.3	182.9	212.7	210.2	256.1	254.1
450	307.3	193.3	172.0	190.0	195.6	192.8	237.5	232.5
400	264.4	163.9	146.8	178.3	178.7	175.1	218.5	211.0
350	109.9	129.9	115.8	123.9	160.8	149.4	195.1	188.2
300	80.1	105.7	92.4	103.4	112.9	115.4	170.0	138.3
LONG	-73.87	-72.87	-70.42	-68.05	-64.00	-58.28	-52.12	-40.67
LAT	-56.67	-58.55	-62.32	-65.15	-68.72	-72.20	-74.67	-77.54
QUAL	33	33	33	32	32	32	32	33

Table III.—Continued

PASS 1552 AT AGASTA, 63 121								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	3319	3354	3430	3505	3541	3616	3652	3727
1000	0.208	0.194	0.191	0.172	0.168	0.169	0.156	0.151
950	0.219	0.203	0.199	0.181	0.177	0.179	0.165	0.164
900	0.231	0.213	0.209	0.189	0.187	0.189	0.175	0.175
850	0.245	0.226	0.222	0.199	0.200	0.203	0.188	0.188
800	0.268	0.247	0.237	0.229	0.216	0.218	0.202	0.210
750	0.308	0.312	0.265	0.275	0.246	0.266	0.219	0.240
700	0.359	0.404	0.318	0.312	0.322	0.340	0.266	0.277
650	0.423	0.489	0.387	0.347	0.421	0.432	0.341	0.322
600	0.523	0.571	0.472	0.407	0.516	0.522	0.433	0.373
550	0.650	0.658	0.573	0.526	0.619	0.619	0.540	0.507
500	0.867	0.933	0.730	0.692	0.729	0.865	0.663	0.687
450	1.169	1.285	1.036	0.950	1.110	1.209	1.110	0.992
400	1.641	1.669	1.421	1.379	1.620	1.651	1.733	1.572
350	2.357	2.335	2.011	1.997	2.218	2.395	2.560	2.853
300	3.437	3.300	2.939	2.806	2.943	3.238	3.636	4.501
HEIGHT	SCALE HEIGHT, KM							
	929.8	1040.8	1002.2	1212.6	868.5	853.0	820.1	721.7
950	929.8	1040.8	1002.2	1212.6	868.5	853.0	820.1	721.7
900	803.8	868.7	845.5	950.3	744.9	738.4	731.8	656.8
850	653.8	683.8	731.8	702.1	638.1	615.1	648.6	528.4
800	539.9	512.1	618.1	493.1	531.2	491.9	565.4	481.0
750	462.1	397.9	501.0	348.2	425.5	401.0	482.2	433.6
700	384.3	283.7	379.1	341.6	322.1	316.5	380.8	386.3
650	306.5	257.4	261.7	335.0	225.5	244.5	272.8	338.9
600	256.2	249.9	242.3	269.4	219.1	230.7	208.8	291.5
550	210.5	241.1	222.9	190.6	212.8	216.8	190.6	216.3
500	179.8	191.4	195.8	168.5	206.4	179.3	172.3	150.9
450	157.7	166.9	153.7	146.2	151.8	154.1	141.5	125.4
400	149.6	170.4	150.8	138.7	144.6	149.7	123.8	99.4
350	135.7	145.9	137.1	142.8	169.9	145.3	128.3	92.0
300	138.6	166.4	146.7	164.7	231.0	254.8	247.4	163.0
LONG	-81.59	-81.21	-80.86	-80.53	-80.21	-79.91	-79.63	-79.38
LAT	-38.51	-36.56	-34.55	-32.60	-30.58	-28.62	-26.60	-24.63
QUAL	23	23	23	23	22	22	22	23

Table III. —Continued

PASS 1552 AT AGASTA, 63 121				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	3803	3938	3913	4007
1000	0.143	0.145	0.149	0.144
950	0.154	0.158	0.161	0.154
900	0.164	0.168	0.170	0.162
850	0.176	0.180	0.181	0.171
800	0.191	0.195	0.195	0.180
750	0.214	0.215	0.222	0.190
700	0.278	0.284	0.280	0.219
650	0.303	0.328	0.308	0.264
600	0.401	0.411	0.384	0.333
550	0.509	0.522	0.477	0.466
500	0.718	0.745	0.759	0.734
450	1.192	1.281	1.255	1.214
400	2.037	2.271	2.427	2.529
350	3.693	4.511	4.908	5.428
300	6.054	8.078	9.254	10.086
HEIGHT	SCALE HEIGHT, KM			
950	758.7	716.8	808.8	
900	681.3	709.4	820.9	939.9
850	589.5	619.7	674.0	843.1
800	497.8	535.1	532.6	746.2
750	407.9	442.5	449.3	649.4
700	325.3	365.2	366.0	402.5
650	242.6	283.0	284.6	243.6
600	206.6	220.5	233.8	196.3
550	192.3	181.0	163.0	146.5
500	169.9	133.4	113.2	104.5
450	98.3	92.4	91.0	87.3
400	88.4	79.4	70.7	67.7
350	89.6	75.7	71.9	65.1
300	168.3	127.6	95.6	149.2
LONG	-79.12	-78.89	-78.66	-78.33
LAT	-22.61	-20.64	-18.67	-15.61
QUAL	23	23	23	23

Table III.—Continued

PASS 1559 AT QUITOE, 63 121								
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)								
HEIGHT	TIME (UT)							
	120411	120504	120557	120747	120823	120858	120934	121009
1000	0.175	0.163	0.171	0.151	0.169	0.173	0.171	0.159
950	0.185	0.171	0.180	0.159	0.181	0.180	0.178	0.167
900	0.190	0.179	0.187	0.167	0.189	0.188	0.186	0.179
850	0.196	0.188	0.192	0.177	0.198	0.199	0.194	0.189
800	0.205	0.196	0.206	0.191	0.209	0.211	0.204	0.195
750	0.218	0.205	0.220	0.211	0.228	0.226	0.218	0.216
700	0.238	0.217	0.236	0.233	0.256	0.244	0.237	0.235
650	0.267	0.261	0.265	0.259	0.291	0.269	0.262	0.251
600	0.307	0.315	0.305	0.288	0.336	0.307	0.302	0.287
550	0.372	0.369	0.372	0.346	0.400	0.373	0.356	0.340
500	0.479	0.455	0.462	0.463	0.477	0.466	0.437	0.436
450	0.623	0.594	0.607	0.599	0.604	0.597	0.572	0.578
400	0.833	0.788	0.827	0.753	0.821	0.808	0.774	0.776
350	1.219	1.143	1.182	1.039	1.152	1.132	1.110	1.127
300	1.884	1.743	1.831	1.512	1.751	1.799	1.847	1.964
HEIGHT	SCALE HEIGHT, KM							
900			1756.9	945.0	1075.7	1095.6	1191.4	677.8
850		1154.3	1331.8	741.1	902.0	886.1	1061.5	686.5
800	926.4	1024.8	849.6	637.1	714.4	780.2	818.7	623.5
750	682.5	854.9	706.4	533.1	609.4	582.9	707.8	533.4
700	541.4	676.1	589.2	476.0	520.1	577.3	596.8	531.0
650	433.3	409.0	412.3	422.8	430.8	458.4	485.4	507.2
600	321.7	280.2	306.7	369.7	351.0	320.2	372.8	328.8
550	239.6	269.3	247.5	300.2	304.5	242.6	280.9	246.7
500	194.8	193.9	206.3	210.0	258.1	213.0	225.9	207.5
450	181.2	177.6	180.8	188.7	210.4	185.6	169.2	176.3
400	157.7	161.5	157.2	185.4	161.3	162.4	155.8	157.4
350	124.3	128.3	129.3	148.1	137.0	131.8	123.1	112.6
300	110.5	118.0	123.5	120.7	115.0	100.3	86.2	78.9
LONG	-71.33	-70.99	-70.67	-70.04	-69.85	-69.66	-69.47	-69.29
LAT	21.24	18.27	15.29	9.11	7.09	5.12	3.10	1.14
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 1559 AT QUITOE, 63 121				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	121045	121138	121249	121418
1000	0.155	0.159	0.165	0.158
950	0.164	0.167	0.173	0.171
900	0.176	0.175	0.179	0.183
850	0.167	0.182	0.189	0.196
800	0.198	0.193	0.201	0.211
750	0.209	0.207	0.216	0.228
700	0.230	0.223	0.240	0.252
650	0.263	0.243	0.271	0.287
600	0.306	0.265	0.318	0.334
550	0.370	0.320	0.383	0.413
500	0.494	0.417	0.500	0.549
450	0.661	0.558	0.690	0.796
400	0.869	0.818	1.026	1.201
350	1.303	1.229	1.701	2.087
300	2.139	2.153	3.188	3.961
HEIGHT	SCALE HEIGHT, KM			
900	733.6	1227.6	1167.6	749.8
850	870.8	979.8	877.3	681.0
800	818.9	760.4	745.2	617.7
750	674.5	687.9	603.4	554.5
700	548.5	615.4	440.1	478.9
650	428.6	543.0	355.2	392.9
600	314.0	470.5	293.4	294.9
550	228.5	292.4	236.0	210.9
500	194.0	176.0	188.6	147.6
450	172.6	155.8	148.5	130.9
400	157.4	134.2	117.1	108.0
350	115.4	109.5	87.3	82.3
300	89.9	75.5	76.5	85.1
LONG	-69.10	-68.82	-68.45	-67.96
LAT	-0.88	-3.85	-7.84	-12.83
QUAL	33	33	33	33

Table III. —Continued

PASS 1559 AT AGASTA, 63 121								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	121739	121814	121850	122001	122037	122223	122259	122334
1000	0.129	0.124	0.128	0.133	0.142	0.161	0.166	0.158
950	0.135	0.130	0.135	0.139	0.149	0.170	0.175	0.171
900	0.142	0.137	0.143	0.152	0.158	0.185	0.187	0.184
850	0.152	0.145	0.153	0.164	0.170	0.203	0.211	0.203
800	0.165	0.158	0.166	0.175	0.188	0.221	0.247	0.226
750	0.180	0.172	0.182	0.196	0.209	0.244	0.276	0.252
700	0.198	0.190	0.201	0.219	0.232	0.279	0.305	0.286
650	0.223	0.215	0.226	0.247	0.262	0.323	0.349	0.332
600	0.255	0.247	0.262	0.288	0.300	0.376	0.409	0.396
550	0.308	0.295	0.318	0.352	0.352	0.438	0.490	0.482
500	0.408	0.367	0.403	0.458	0.441	0.537	0.606	0.637
450	0.592	0.502	0.546	0.622	0.606	0.685	0.809	0.883
400	0.860	0.767	0.774	0.885	0.869	0.899	1.121	1.223
350	1.5.1	1.209	1.179	1.303	1.318	1.239	1.636	1.746
300	2.967	2.300	2.228	2.192	2.114	1.824	2.450	2.642
HEIGHT	SCALE HEIGHT, KM							
	973.8	1018.0	888.1	839.1	897.6	758.4	793.2	630.0
950	973.8	1018.0	888.1	839.1	897.6	758.4	793.2	630.0
900	811.4	873.5	797.5	627.9	749.3	619.9	601.1	572.6
850	709.0	733.4	675.0	622.3	628.4	542.2	511.2	507.6
800	612.3	614.2	580.2	574.1	532.7	502.3	421.3	458.5
750	547.8	526.6	533.3	464.9	476.2	449.7	420.0	418.9
700	482.6	451.7	480.1	431.8	443.5	380.4	420.9	369.4
650	410.3	395.6	339.6	368.5	397.3	337.5	349.1	316.0
600	328.8	339.4	304.3	289.0	343.2	310.3	293.3	274.5
550	226.1	272.5	243.1	226.4	270.3	295.1	257.0	227.4
500	155.3	204.5	194.8	180.4	197.0	233.2	218.8	167.0
450	127.3	137.5	150.7	145.4	138.8	197.1	175.3	155.4
400	114.7	114.0	153.1	141.1	133.7	174.1	144.8	149.7
350	82.1	95.9	99.7	115.5	112.9	146.3	128.6	133.1
300	73.9	72.8	76.4	89.7	102.0	116.1	122.7	113.0
LONG	-66.70	-66.44	-66.17	-65.59	-65.25	-64.15	-63.72	-63.25
LAT	-24.08	-26.03	-28.03	-31.99	-33.98	-39.85	-41.83	-43.76
QUAL	22	13	13	13	13	31	33	33

Table III. —Continued

PASS 1559 AT AGASTA, 63 121			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	122410	122445	122521
1000	0.157	0.151	0.163
950	0.171	0.163	0.175
900	0.189	0.186	0.189
850	0.209	0.210	0.205
800	0.233	0.231	0.238
750	0.263	0.258	0.278
700	0.301	0.308	0.314
650	0.350	0.371	0.358
600	0.411	0.445	0.420
550	0.499	0.532	0.514
500	0.644	0.708	0.651
450	0.860	0.960	0.892
400	1.231	1.328	1.302
350	1.830	1.894	1.937
300	2.722	2.682	
HEIGHT	SCALE HEIGHT, KM		
	122410	122445	122521
950	548.1	554.1	631.4
900	506.1	465.7	560.1
850	466.5	428.3	489.0
800	434.0	411.8	419.2
750	396.3	379.4	369.5
700	353.1	310.2	369.0
650	319.8	266.7	339.0
600	281.6	249.1	277.4
550	230.3	231.4	235.7
500	195.0	192.5	193.9
450	165.3	161.7	151.5
400	133.1	148.3	128.7
350	126.8	143.0	134.5
300	128.3	151.8	
LONG	-62.74	-62.19	-61.56
LAT	-45.74	-47.66	-49.62
QUAL	23	23	33

Table III.—Continued

PASS 1559 AT SULANT, 63 121							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	122752	122807	122918	123140	123216	123251	123357
1000	0.168	0.167	0.116	0.147	0.129	0.129	0.121
950	0.186	0.186	0.126	0.165	0.145	0.143	0.135
900	0.209	0.209	0.149	0.187	0.164	0.162	0.153
850	0.238	0.237	0.179	0.215	0.187	0.185	0.175
800	0.274	0.269	0.204	0.247	0.217	0.212	0.202
750	0.315	0.309	0.229	0.288	0.254	0.249	0.233
700	0.369	0.358	0.274	0.337	0.299	0.294	0.276
650	0.436	0.427	0.330	0.399	0.357	0.352	0.329
600	0.533	0.521	0.400	0.483	0.433	0.428	0.401
550	0.664	0.654	0.499	0.605	0.543	0.539	0.493
500	0.665	0.841	0.646	0.789	0.705	0.704	0.638
450	1.152	1.127	0.864	1.071	0.943	0.945	0.826
400	1.557	1.547	1.183	1.465	1.294	1.286	1.093
350				2.058	1.824	1.748	1.472
300					2.744		2.027
HEIGHT	SCALE HEIGHT, KM						
	442.0	440.3	476.1	404.5	401.3	446.5	418.6
950	442.0	440.3	476.1	404.5	401.3	446.5	418.6
900	408.1	414.3	362.7	381.5	385.3	391.6	388.1
850	380.2	394.5	325.2	360.8	359.8	362.1	359.4
800	357.4	377.5	336.7	343.5	333.6	339.9	339.4
750	336.5	347.4	333.9	324.3	314.1	317.0	320.7
700	307.2	313.2	285.2	303.9	299.9	294.0	297.9
650	274.1	274.4	261.0	281.7	274.8	271.3	274.5
600	244.7	239.8	246.9	243.6	239.7	235.5	246.1
550	216.4	210.6	214.0	208.0	206.4	202.9	217.2
500	191.7	187.2	184.8	180.4	181.7	187.1	205.5
450	174.0	166.0	167.1	166.6	168.7	170.4	193.8
400	174.9	160.3	162.3	152.4	156.5	163.9	174.4
350				159.5	132.1	160.7	162.4
300					125.3		164.0
LONG	-58.67	-57.69	-55.22	-47.51	-44.58	-41.25	-32.79
LAT	-56.73	-58.61	-62.39	-69.69	-71.45	-73.11	-76.02
QUAL	23	33	23	33	23	33	33

Table III.—Continued

PASS 1567 AT RESLUT, 63 122			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	14744	14801	
1000	0.005	0.011	
950	0.009	0.012	
900	0.012	0.013	
850	0.015	0.016	
800	0.020	0.019	
750	0.025	0.023	
700	0.033	0.030	
650	0.043	0.040	
600	0.058	0.056	
550	0.079	0.080	
500	0.111	0.114	
450	0.157	0.172	
400	0.229	0.266	
350	0.336	0.412	
300	0.472		
HEIGHT	SCALE HEIGHT, KM		
950		577.6	
900		446.4	
850	195.5	329.0	
800	197.9	273.0	
750	196.0	233.3	
700	185.1	195.8	
650	175.6	161.0	
600	167.5	141.5	
550	159.0	138.7	
500	149.7	134.5	
450	141.6	122.8	
400	135.4	115.0	
350	145.1	127.9	
300	196.5		
LONG	-16.66	-11.36	
LAT	80.18	80.44	
QUAL	31	33	

Table III.—Continued

PASS 1573 AT RESLUT, 63 122								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	122442	122500	122518	122537	122554	122612	122630	122647
1000	0.015	0.008	0.013	0.021	0.021	0.030	0.021	0.054
950	0.018	0.011	0.015	0.024	0.022	0.033	0.024	0.062
900	0.023	0.014	0.018	0.027	0.024	0.039	0.027	0.072
850	0.029	0.018	0.022	0.034	0.028	0.045	0.033	0.084
800	0.035	0.023	0.027	0.043	0.033	0.054	0.041	0.100
750	0.042	0.029	0.035	0.050	0.039	0.065	0.049	0.119
700	0.052	0.039	0.045	0.059	0.046	0.080	0.065	0.140
650	0.066	0.052	0.058	0.077	0.058	0.100	0.089	0.169
600	0.084	0.073	0.080	0.105	0.077	0.126	0.122	0.205
550	0.120	0.101	0.110	0.142	0.104	0.162	0.169	0.252
500	0.174	0.147	0.163	0.204	0.143	0.217	0.232	0.316
450	0.264	0.227	0.252	0.292	0.211	0.298	0.361	0.410
400		0.357	0.410	0.452	0.315	0.425	0.579	0.565
350		0.560	0.676			0.599	0.876	0.795
300		0.871	1.005					
HEIGHT	SCALE HEIGHT, KM							
	232.8	202.8	302.8	684.5	762.6	406.0	410.7	339.2
950	232.8	202.8	302.8	684.5	762.6	406.0	410.7	339.2
900	233.5	185.6	260.7	431.7	503.8	335.1	322.7	324.7
850	252.0	189.0	237.3	312.0	401.0	300.2	255.8	308.3
800	260.6	192.4	220.3	268.1	309.8	276.7	232.6	291.9
750	239.7	188.4	209.2	264.7	281.6	256.6	215.7	286.6
700	215.2	178.9	198.7	244.9	253.5	235.0	194.9	281.2
650	201.0	169.4	188.1	177.3	218.4	217.9	173.4	269.3
600	186.8	158.5	166.7	163.5	180.5	206.2	158.2	256.9
550	152.5	147.3	144.1	155.3	161.4	192.4	150.6	235.0
500	128.3	127.1	123.9	142.6	146.2	172.5	140.5	207.7
450	115.2	114.7	112.6	126.8	130.7	150.9	110.1	176.7
400		111.0	99.0	95.6	129.3	145.5	114.9	151.2
350		113.1	113.9			157.8	134.8	171.8
300		115.5	170.7					
LONG	-115.65	-112.80	-110.79	-108.66	-106.76	-105.12	-103.66	-102.29
LAT	75.54	74.80	73.97	73.09	72.31	71.44	70.55	69.71
QUAL	33	33	32	33	33	23	33	31

Table III.—Continued

PASS 1573 AT RESLUT, 63 122				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	122705	122722	122740	122909
1000	0.034	0.039	0.020	0.005
950	0.037	0.043	0.024	0.006
900	0.044	0.048	0.028	0.007
850	0.055	0.055	0.033	0.008
800	0.065	0.062	0.041	0.010
750	0.074	0.071	0.051	0.013
700	0.091	0.083	0.061	0.018
650	0.118	0.098	0.072	0.024
600	0.152	0.118	0.088	0.032
550	0.194	0.145	0.107	0.045
500	0.244	0.183	0.133	0.063
450	0.340	0.238	0.173	0.092
400	0.494	0.322	0.242	0.139
350	0.729		0.357	0.214
300				0.355
HEIGHT	SCALE HEIGHT, KM			
	430.1	562.4	302.4	252.4
950	430.1	562.4	302.4	252.4
900	322.7	438.0	282.9	251.6
850	272.3	378.1	272.4	240.6
800	272.8	368.5	263.0	222.7
750	273.3	339.8	260.8	188.6
700	246.2	308.4	265.3	173.7
650	206.2	284.1	269.8	169.8
600	194.5	260.2	259.1	165.9
550	191.6	236.4	245.9	155.8
500	188.7	210.7	211.3	143.2
450	152.2	182.5	172.1	130.3
400	129.0	149.2	143.0	118.8
350	138.6		123.2	109.6
300				68.0
LONG	-100.94	-99.91	-98.83	-94.52
LAT	68.81	67.94	67.02	62.36
QUAL	33	33	33	33

Table III.—Continued

PASS 1573 AT OTTAWA, 83 122								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	123424	123501	123547	123630	123705	123759	123834	123910
1000	0.032	0.044	0.050	0.065	0.071	0.075	0.090	0.097
950	0.034	0.046	0.053	0.070	0.079	0.082	0.097	0.103
900	0.037	0.048	0.055	0.072	0.081	0.085	0.101	0.107
850	0.039	0.050	0.057	0.076	0.084	0.090	0.106	0.112
800	0.042	0.053	0.060	0.080	0.088	0.096	0.112	0.119
750	0.047	0.058	0.062	0.084	0.094	0.103	0.122	0.131
700	0.052	0.061	0.067	0.089	0.101	0.112	0.133	0.146
650	0.057	0.068	0.073	0.096	0.111	0.123	0.146	0.167
600	0.063	0.075	0.079	0.108	0.120	0.139	0.170	0.197
550	0.072	0.088	0.094	0.137	0.154	0.165	0.207	0.244
500	0.088	0.107	0.112	0.186	0.201	0.210	0.261	0.318
450	0.113	0.152	0.160	0.242	0.289	0.292	0.368	0.442
400	0.164	0.226	0.251	0.402	0.457	0.467	0.578	0.693
350	0.249	0.386	0.424	0.896	0.944	0.971	0.926	0.962
300	0.407	0.589	0.707	1.142	1.210	1.307	1.433	1.466
HEIGHT	SCALE HEIGHT, KM							
900	685.7		1190.0	1084.7	1546.7	1055.4	1215.8	1381.0
850	672.5	1110.0	1198.6	1067.8	1256.2	894.2	937.0	891.9
800	628.4	897.1	1065.1	1018.4	959.5	711.6	778.0	658.7
750	504.6	683.2	931.8	904.1	736.4	681.9	647.8	594.5
700	497.7	582.8	739.4	769.2	608.8	604.4	510.8	436.3
650	485.7	525.3	595.3	554.9	463.6	463.7	414.4	356.8
600	470.1	461.3	482.0	328.6	308.3	337.3	309.0	286.4
550	328.7	298.4	280.6	186.3	231.3	257.4	246.9	228.1
500	238.7	187.6	223.2	164.4	172.2	191.8	189.4	184.2
450	198.9	130.8	124.8	149.2	129.2	134.8	139.0	159.0
400	127.2	116.8	101.6	91.0	109.8	103.0	116.5	137.3
350	118.8	102.9	97.0	97.8	104.8	101.1	111.2	121.8
300	114.2	105.5	100.6	107.0	102.7	99.8	116.3	119.5
LONG	-86.86	-86.36	-85.90	-85.28	-84.90	-84.38	-84.07	-83.76
LAT	45.09	43.14	41.15	38.20	36.25	33.24	31.28	29.27
QUAL	33	23	23	43	23	23	23	23

Table III. —Continued

PASS 1575 AT OTTAWA, 63 122	
ELECTRON DENSITY IN ELECTRONS PER CC (M10-5)	
HEIGHT	TIME (UT)
	123928
1000	0.095
950	0.101
900	0.108
850	0.116
800	0.125
750	0.136
700	0.150
650	0.168
600	0.194
550	0.234
500	0.300
450	0.419
400	0.631
350	1.029
300	1.589
HEIGHT	SCALE HEIGHT, KM
950	768.0
900	755.4
850	698.7
800	608.9
750	536.9
700	480.8
650	402.3
600	315.8
550	239.6
500	180.8
450	146.7
400	123.8
350	111.5
300	110.9
LONG	-83.62
LAT	28.26
QUAL	23

Table III. —Continued

PASS 1573 AT QUITOE, 63 122								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	124352	124428	124503	124538	124614	124650	124725	124801
1000	0.154	0.171	0.163	0.151	0.165	0.175	0.181	0.192
950	0.162	0.180	0.172	0.164	0.173	0.186	0.189	0.203
900	0.167	0.188	0.181	0.173	0.185	0.194	0.199	0.213
850	0.173	0.194	0.189	0.185	0.195	0.211	0.212	0.225
800	0.185	0.214	0.200	0.199	0.204	0.227	0.228	0.244
750	0.212	0.235	0.222	0.218	0.223	0.242	0.247	0.272
700	0.231	0.254	0.248	0.249	0.261	0.258	0.268	0.300
650	0.243	0.290	0.278	0.287	0.299	0.307	0.306	0.330
600	0.296	0.343	0.329	0.337	0.334	0.371	0.361	0.366
550	0.369	0.420	0.412	0.411	0.425	0.441	0.448	0.471
500	0.438	0.526	0.527	0.502	0.575	0.520	0.568	0.611
450	0.531	0.678	0.693	0.650	0.735	0.713	0.745	0.778
400	0.779	0.926	0.945	0.886	0.990	1.003	1.026	1.051
350	1.111	1.327	1.398	1.270	1.490	1.438	1.490	1.513
300	1.754	2.025	2.094	1.944	2.240	2.233	2.369	2.366
HEIGHT	SCALE HEIGHT, KM							
	1317.0	1182.7		765.6	985.3	1155.5	1112.5	1141.0
950	1317.0	1182.7		765.6	985.3	1155.5	1112.5	1141.0
900	1368.9	1117.8	1087.3	800.5	839.4	897.5	868.7	925.5
850	1121.4	978.0	918.4	701.3	770.2	684.3	700.7	769.0
800	743.8	602.5	732.5	595.3	700.9	635.0	640.4	635.0
750	480.8	525.8	540.5	505.8	587.1	585.6	580.2	509.8
700	465.7	491.3	437.2	436.1	427.4	527.5	519.9	457.7
650	450.5	342.8	368.6	366.3	356.2	374.3	389.7	410.7
600	257.8	270.6	256.4	304.8	317.9	272.6	270.3	360.3
550	221.6	237.0	228.9	266.3	248.2	252.2	236.5	261.9
500	219.1	211.7	202.0	227.9	184.5	231.9	204.4	196.8
450	203.5	183.1	178.5	191.4	176.8	175.8	177.7	185.6
400	137.8	149.9	147.8	156.9	146.9	145.0	148.9	154.3
350	129.7	130.2	126.6	129.5	124.1	128.2	123.6	129.2
300	102.1	116.7	124.4	115.9	123.3	103.8	100.3	100.3
LONG	-81.86	-81.66	-81.46	-81.27	-81.08	-80.89	-80.71	-80.52
LAT	13.46	11.43	9.46	7.50	5.47	3.45	1.49	-0.53
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 1573 AT QUITOE, 63 122								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	124837	124912	124948	125023	125059	125134	125210	125245
1000	0.199	0.210	0.244	0.237	0.226	0.222	0.217	0.220
950	0.210	0.219	0.256	0.248	0.238	0.233	0.228	0.233
900	0.222	0.230	0.265	0.258	0.250	0.251	0.255	0.242
850	0.236	0.247	0.282	0.272	0.264	0.262	0.262	0.252
800	0.256	0.267	0.302	0.295	0.281	0.275	0.279	0.277
750	0.276	0.291	0.322	0.315	0.298	0.298	0.296	0.295
700	0.298	0.318	0.353	0.332	0.317	0.315	0.316	0.317
650	0.329	0.354	0.391	0.362	0.342	0.335	0.342	0.344
600	0.388	0.405	0.443	0.400	0.376	0.367	0.379	0.382
550	0.467	0.474	0.525	0.477	0.458	0.433	0.452	0.452
500	0.577	0.594	0.656	0.609	0.592	0.565	0.590	0.566
450	0.762	0.775	0.862	0.799	0.787	0.764	0.787	0.765
400	1.035	1.064	1.196	1.118	1.148	1.158	1.163	1.112
350	1.471	1.604	1.860	1.752	1.848	1.829	1.860	1.825
300	2.351	2.884	3.349	3.137	3.246	3.253	3.297	3.056
HEIGHT	SCALE HEIGHT, KM							
	1118.8	1081.6	1352.5	1305.7	1014.5	985.0	956.3	1068.0
950	1118.8	1081.6	1352.5	1305.7	1014.5	985.0	956.3	1068.0
900	873.8	877.7	1149.0	1067.6	952.4	866.6	876.5	983.7
850	754.9	702.1	784.2	885.3	880.0	869.2	930.1	800.5
800	624.7	629.3	722.4	771.4	838.7	816.2	839.5	635.7
750	571.8	573.9	659.9	729.5	807.5	769.2	795.6	702.1
700	519.0	518.5	514.6	696.7	724.8	813.3	709.1	638.0
650	451.8	451.3	457.7	563.7	608.3	662.7	570.3	535.2
600	346.5	366.2	341.4	426.1	409.4	461.6	379.4	392.7
550	258.6	282.1	260.5	263.7	208.7	237.4	233.1	278.3
500	207.8	204.1	205.7	183.8	182.8	174.7	177.8	191.4
450	182.5	179.2	166.5	169.5	159.1	147.3	155.5	157.7
400	157.1	143.4	138.2	132.9	118.7	112.2	114.9	119.4
350	128.4	109.6	95.5	97.9	97.5	103.4	98.0	100.6
300	93.9	75.5	84.2	85.8	86.9	80.1	88.5	92.4
LONG	-80.33	-80.15	-79.92	-79.77	-79.58	-79.38	-79.17	-78.97
LAT	-2.55	-4.51	-6.51	-8.50	-10.52	-12.48	-14.50	-16.46
QUAL	32	33	33	33	32	33	32	33

Table III.—Continued

PASS 1573 AT AGASTA, 63 122								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	125317	125818	125854	125930	130005	130041	130152	130227
1000	0.178	0.169	0.169	0.174	0.167	0.159	0.144	0.147
950	0.189	0.180	0.180	0.185	0.180	0.169	0.155	0.163
900	0.201	0.194	0.195	0.199	0.197	0.179	0.169	0.179
850	0.216	0.213	0.214	0.216	0.217	0.202	0.188	0.198
800	0.233	0.235	0.236	0.239	0.241	0.233	0.213	0.220
750	0.252	0.262	0.264	0.265	0.271	0.258	0.241	0.248
700	0.274	0.294	0.303	0.299	0.306	0.289	0.274	0.284
650	0.302	0.335	0.353	0.345	0.350	0.334	0.318	0.328
600	0.340	0.391	0.423	0.413	0.405	0.394	0.379	0.395
550	0.393	0.476	0.509	0.521	0.487	0.473	0.463	0.486
500	0.476	0.601	0.652	0.692	0.607	0.600	0.604	0.643
450	0.628	0.809	0.888	0.954	0.827	0.801	0.833	0.887
400	0.969	1.154	1.252	1.354	1.165	1.122	1.172	1.245
350	1.747	1.077	1.822	1.923	1.665	1.661	1.664	1.762
300	3.480	2.529	2.658	2.695	2.442	2.600	2.366	2.499
HEIGHT	SCALE HEIGHT, KM							
	835.0	720.8	745.8	720.8	593.9	725.4	620.0	494.1
950	835.0	720.8	745.8	720.8	593.9	725.4	620.0	494.1
900	755.2	613.2	615.3	651.9	545.3	621.2	520.2	499.6
850	704.8	528.1	529.0	575.6	498.7	507.5	475.5	473.0
800	655.8	484.3	463.7	493.3	458.3	423.3	430.7	440.8
750	601.3	443.0	404.7	451.7	422.4	425.8	393.8	396.7
700	543.0	404.0	354.7	380.3	389.5	393.2	356.3	351.4
650	473.7	356.5	308.8	310.5	349.5	333.4	316.6	305.7
600	393.2	294.6	275.9	253.4	307.6	293.1	274.2	263.3
550	315.2	243.0	243.1	209.1	256.5	248.9	224.3	221.7
500	240.6	196.5	202.3	175.9	206.8	189.8	173.0	184.9
450	162.4	158.7	157.1	152.3	160.7	168.1	156.5	155.1
400	94.7	140.6	140.9	143.5	144.3	141.4	144.9	146.6
350	79.5	128.3	133.1	145.2	137.0	119.6	142.8	144.4
300	69.5	124.5	142.2	165.3	133.5	113.5	149.3	141.6
LONG	-78.77	-76.46	-76.10	-75.70	-75.30	-74.84	-73.82	-73.23
LAT	-18.25	-35.02	-37.02	-39.00	-40.94	-42.92	-46.82	-48.74
QUAL	21	33	23	22	22	22	33	22

Table III.—Continued

PASS 1573 AT SULANT, 63 122					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	125743	125819	125854	130116	130152
1000	0.217	0.194	0.193	0.162	0.156
950	0.224	0.207	0.202	0.173	0.168
900	0.258	0.223	0.214	0.189	0.182
850	0.254	0.242	0.232	0.213	0.200
800	0.286	0.265	0.258	0.241	0.223
750	0.309	0.293	0.290	0.272	0.252
700	0.335	0.325	0.327	0.306	0.289
650	0.386	0.366	0.369	0.354	0.332
600	0.454	0.424	0.434	0.426	0.407
550	0.556	0.518	0.533	0.527	0.503
500	0.722	0.661	0.673	0.708	0.676
450	0.968	0.881	0.877	0.963	0.938
400	1.346	1.199	1.164	1.310	1.311
350	1.889	1.719	1.621	1.852	1.821
300	2.659	2.538	2.349	2.767	2.590
HEIGHT	SCALE HEIGHT, KM				
	1327.1	711.7	926.6	621.9	660.1
950	1327.1	711.7	926.6	621.9	660.1
900	939.4	647.9	729.0	512.0	576.2
850	924.0	582.4	608.1	451.5	508.0
800	555.5	537.8	520.0	406.7	439.9
750	548.5	506.0	439.8	386.3	393.4
700	467.2	440.0	399.1	366.0	353.0
650	334.8	381.1	358.4	327.2	312.6
600	279.4	308.6	296.8	269.5	262.8
550	221.1	227.6	231.0	193.2	212.5
500	183.1	190.4	200.1	175.8	175.1
450	162.7	176.2	186.9	164.3	154.2
400	150.1	152.9	168.3	155.1	151.9
350	148.4	132.3	146.0	138.2	145.7
300	153.5	130.5	134.8	117.5	154.8
LONG	-76.79	-76.45	-76.10	-74.35	-73.82
LAT	-33.08	-35.07	-37.02	-44.85	-46.82
QUAL	21	23	23	33	23

Table III. —Continued

PASS 1573 AT SULANT, 63 122								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	130312	130348	130423	130610	130646	130703	130739	130814
1000	0.163	0.150	0.156	0.116	0.111	0.109	0.104	0.097
950	0.177	0.163	0.171	0.130	0.124	0.122	0.117	0.109
900	0.195	0.178	0.188	0.147	0.139	0.137	0.132	0.123
850	0.215	0.197	0.211	0.167	0.158	0.156	0.150	0.140
800	0.240	0.221	0.239	0.193	0.182	0.179	0.170	0.162
750	0.271	0.251	0.274	0.224	0.209	0.207	0.197	0.190
700	0.308	0.286	0.315	0.260	0.243	0.242	0.233	0.222
650	0.351	0.340	0.363	0.311	0.294	0.289	0.277	0.262
600	0.422	0.408	0.426	0.378	0.355	0.355	0.335	0.313
550	0.530	0.515	0.529	0.472	0.450	0.448	0.426	0.391
500	0.702	0.684	0.700	0.615	0.596	0.597	0.564	0.506
450	0.960	0.943	0.967	0.816	0.812	0.806	0.772	0.682
400	1.370	1.342	1.362	1.125	1.117	1.143	1.059	0.942
350	1.963	1.924	1.938	1.623	1.586	1.653	1.517	1.337
300	2.823	2.809	2.776	2.343	2.349	2.386	2.278	1.944
HEIGHT	SCALE HEIGHT, KM							
	558.9	558.0	545.3	420.0	436.7	432.7	419.3	405.9
950	558.9	558.0	545.3	420.0	436.7	432.7	419.3	405.9
900	512.4	510.3	479.6	389.6	397.8	401.2	405.3	381.6
850	464.7	465.1	431.1	357.3	373.0	367.3	381.1	355.7
800	422.8	423.0	385.6	340.8	354.9	350.5	350.2	343.2
750	393.9	382.5	363.3	326.6	336.8	333.7	326.1	332.3
700	365.0	341.9	347.7	312.4	314.8	308.0	304.1	321.5
650	336.2	299.6	332.0	284.5	279.8	267.6	282.1	295.1
600	275.6	257.4	283.7	248.2	244.7	232.0	252.8	254.6
550	200.3	191.7	206.1	204.0	199.1	199.5	206.6	216.7
500	177.1	170.3	177.5	186.2	175.2	179.2	175.4	185.2
450	153.8	152.3	155.2	171.8	161.0	161.2	158.4	162.8
400	141.1	142.7	145.8	146.9	151.0	139.7	150.9	151.8
350	138.9	137.9	136.2	137.0	137.3	136.7	135.4	141.7
300	144.5	126.2	153.1	152.4	138.0	143.0	116.2	128.1
LONG	-72.41	-71.67	-70.85	-67.74	-66.38	-65.71	-63.98	-62.09
LAT	-51.19	-53.15	-55.04	-60.79	-62.69	-63.59	-65.46	-67.26
QUAL	23	23	33	33	12	22	22	13

Table III.—Continued

PASS 1573 AT SOLANT, 63 122							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	130850	130925	131001	131036	131112	131147	131221
1000	0.090	0.090	0.102	0.111	0.101	0.103	0.092
950	0.102	0.102	0.114	0.123	0.114	0.117	0.105
900	0.115	0.116	0.128	0.138	0.131	0.134	0.120
850	0.131	0.133	0.145	0.156	0.150	0.153	0.136
800	0.152	0.153	0.166	0.177	0.171	0.174	0.157
750	0.177	0.177	0.192	0.202	0.196	0.201	0.182
700	0.206	0.206	0.223	0.237	0.227	0.236	0.214
650	0.247	0.240	0.260	0.278	0.262	0.279	0.254
600	0.299	0.291	0.312	0.329	0.318	0.338	0.305
550	0.373	0.353	0.386	0.401	0.386	0.411	0.374
500	0.462	0.453	0.495	0.511	0.482	0.521	0.466
450	0.649	0.616	0.668	0.681	0.617	0.671	0.599
400	0.872	0.836	0.914	0.915	0.798	0.876	0.776
350	1.180	1.129	1.306	1.234	1.068	1.178	1.040
300	1.694	1.623	1.922	1.694	1.487	1.633	1.449
HEIGHT	SCALE HEIGHT, KM						
	404.6	380.3	442.5	454.0	389.6	384.9	379.8
950	404.6	380.3	442.5	454.0	389.6	384.9	379.8
900	383.5	375.1	411.8	419.9	379.2	374.0	372.9
850	355.7	360.1	382.5	395.4	369.3	363.5	366.0
800	336.2	345.2	356.1	375.3	360.0	353.2	345.6
750	321.0	331.4	342.2	355.2	343.7	335.4	325.1
700	305.9	317.6	328.2	334.2	324.2	308.6	304.7
650	280.8	303.2	309.0	313.2	304.7	282.3	284.4
600	250.7	271.1	261.2	276.1	276.3	259.4	262.6
550	215.3	239.0	220.1	230.8	247.7	236.5	239.0
500	183.5	178.7	187.3	196.1	224.9	218.8	218.9
450	176.1	168.6	172.7	174.8	207.6	202.6	204.3
400	168.6	165.3	150.8	171.1	187.2	182.0	186.2
350	153.9	155.1	137.1	164.3	162.0	162.2	161.7
300	117.2	111.7	123.2	143.1	151.9	143.4	157.3
LONG	-59.62	-57.07	-53.99	-49.88	-45.06	-39.23	-32.12
LAT	-69.08	-70.80	-72.55	-74.13	-75.70	-77.09	-78.26
QUAL	23	13	32	23	23	23	23

Table III.—Continued

PASS 1566 AT RESLUT, 63 123								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	111724	111742	111818	111835	111853	111929	111946	112022
1000	0.009	0.025	0.035	0.037	0.040	0.038	0.035	0.033
950	0.012	0.031	0.044	0.043	0.045	0.041	0.038	0.037
900	0.015	0.038	0.052	0.048	0.052	0.045	0.043	0.042
850	0.019	0.046	0.061	0.056	0.061	0.050	0.048	0.046
800	0.024	0.056	0.074	0.065	0.071	0.057	0.054	0.056
750	0.032	0.069	0.092	0.077	0.085	0.064	0.062	0.065
700	0.042	0.088	0.116	0.094	0.104	0.075	0.072	0.077
650	0.060	0.114	0.152	0.115	0.129	0.090	0.087	0.092
600	0.063	0.146	0.202	0.140	0.166	0.108	0.106	0.111
550	0.122	0.201	0.280	0.184	0.216	0.140	0.136	0.139
500	0.161	0.282	0.406	0.245	0.290	0.183	0.180	0.173
450	0.300	0.404	0.578	0.336	0.398	0.240	0.247	0.226
400	0.519	0.576	0.806	0.478	0.542	0.336	0.341	0.305
350	0.893	0.811	1.068		0.718	0.471	0.463	0.422
300	1.495	1.039					0.612	0.580
HEIGHT	SCALE HEIGHT, KM							
	250.6	245.5	257.4	362.0	388.2	593.4	461.4	435.7
950	250.6	245.5	257.4	362.0	388.2	593.4	461.4	435.7
900	220.2	250.6	281.4	360.0	345.0	506.9	434.9	378.5
850	199.7	251.1	274.9	344.7	319.4	436.4	410.3	346.4
800	190.0	237.1	252.3	302.7	296.8	391.6	380.4	326.7
750	181.1	220.3	226.4	271.5	262.3	351.1	349.3	308.6
700	171.8	208.6	200.9	257.6	239.8	315.3	314.7	290.1
650	159.5	198.1	186.1	243.7	219.2	280.2	271.1	268.8
600	147.3	187.4	167.1	229.8	202.6	245.2	231.6	247.9
550	132.1	161.4	142.7	206.0	187.0	219.6	201.4	231.0
500	114.9	146.1	146.2	177.9	161.8	196.5	173.6	214.0
450	96.1	141.5	151.8	150.9	163.3	174.5	158.4	183.9
400	94.7	145.8	165.0	137.5	171.9	157.9	162.8	163.0
350	92.5	158.8	169.7		189.3	154.6	174.0	157.3
300	117.1	184.1					237.8	161.4
LUNG	-93.69	-91.98	-88.68	-87.37	-85.98	-83.77	-82.79	-81.00
LAT	73.26	72.41	70.68	69.84	68.95	67.11	66.23	64.35
QUAL	33	33	33	33	32	32	31	32

Table III. — Continued

PASS 1586 AT RESLUT, 63 123					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	112040	112058	112115	112133	112151
1000	0.018	0.018	0.020	0.015	0.017
950	0.021	0.022	0.024	0.020	0.020
900	0.025	0.028	0.029	0.023	0.024
850	0.029	0.035	0.035	0.029	0.030
800	0.034	0.042	0.042	0.037	0.038
750	0.041	0.050	0.050	0.046	0.046
700	0.052	0.060	0.060	0.056	0.056
650	0.066	0.073	0.075	0.071	0.070
600	0.084	0.091	0.094	0.093	0.090
550	0.105	0.113	0.120	0.122	0.116
500	0.129	0.150	0.163	0.171	0.150
450	0.177	0.205	0.227	0.248	0.208
400	0.241	0.282	0.337	0.367	0.285
350	0.316	0.407		0.528	0.415
300	0.504	0.608			0.607
HEIGHT	SCALE HEIGHT, KM				
	328.9		268.9	222.4	263.5
950	328.9		268.9	222.4	263.5
900	322.7		264.1	236.4	259.7
850	297.1	255.0	273.5	230.8	241.9
800	264.9	272.5	266.6	224.5	234.9
750	231.6	273.7	265.4	221.4	242.3
700	227.3	259.6	245.0	218.3	229.3
650	223.4	243.4	249.8	207.4	210.7
600	219.5	226.0	214.6	190.4	201.7
550	215.6	208.5	196.2	172.6	192.9
500	211.7	190.2	169.0	150.7	183.3
450	192.2	171.3	142.3	131.5	166.4
400	169.9	150.8	120.8	134.7	149.6
350	147.7	128.2		144.3	135.3
300	119.1	112.8			128.3
LONG	-80.20	-79.40	-78.78	-78.15	-77.52
LAT	63.40	62.46	61.55	60.58	59.62
QUAL	33	33	33	32	33

Table III.—Continued

PASS 1586 AT OTTAWA, 63 123								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	112800	112836	112912	112947	113041	113244	113321	113338
1000	0.075	0.065	0.041	0.075	0.061	0.119	0.130	0.160
950	0.083	0.069	0.045	0.081	0.068	0.126	0.137	0.172
900	0.086	0.074	0.048	0.086	0.071	0.132	0.142	0.179
850	0.089	0.078	0.050	0.092	0.076	0.138	0.149	0.184
800	0.093	0.082	0.054	0.097	0.082	0.145	0.161	0.191
750	0.097	0.086	0.058	0.100	0.090	0.155	0.174	0.206
700	0.103	0.091	0.064	0.106	0.098	0.169	0.189	0.224
650	0.111	0.097	0.072	0.113	0.108	0.186	0.206	0.243
600	0.126	0.107	0.080	0.122	0.120	0.210	0.230	0.271
550	0.156	0.121	0.091	0.144	0.137	0.246	0.267	0.317
500	0.200	0.146	0.106	0.190	0.160	0.302	0.322	0.397
450	0.257	0.201	0.133	0.272	0.201	0.407	0.445	0.530
400		0.313	0.183	0.403	0.309	0.588	0.648	0.799
350		0.488	0.307	0.596	0.527	0.915	0.957	1.195
300			0.615	1.069	0.880	1.458	1.459	1.806
HEIGHT	SCALE HEIGHT, KM							
900	1531.3		823.4		933.2	1112.3	1131.1	1715.5
850	1301.9		744.8		739.8	1014.0	851.4	1428.2
800	1271.7	1065.0	676.5	1286.9	664.5	867.7	681.3	1067.3
750	1042.8	1030.6	608.2	1151.8	589.2	716.3	621.0	818.8
700	768.8	825.9	551.3	844.6	541.7	558.9	583.4	631.7
650	541.8	646.0	497.7	685.7	486.6	461.8	527.2	515.7
600	293.7	483.5	442.3	597.8	421.5	366.1	388.4	396.3
550	222.0	334.5	369.8	220.6	361.0	283.3	295.2	290.1
500	186.8	222.8	274.6	157.1	274.6	218.7	210.0	214.5
450	158.6	189.2	189.4	135.3	172.3	167.1	161.9	158.6
400		112.3	131.6	124.3	115.9	129.0	133.9	126.1
350		109.3	90.8	111.3	95.2	114.7	124.9	123.8
300			81.0	101.1	89.0	108.3	118.7	111.7
LONG	-70.13	-69.87	-69.58	-69.24	-68.76	-67.82	-67.57	-67.46
LAT	39.36	37.36	35.35	39.40	30.37	23.49	21.41	20.46
QUAL	33	33	33	33	33	33	33	33

Table III.—Continued

PASS 1586 AT QUITOE, 63 123						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	113303	113338	113414	113449	113749	113842
1000	0.126	0.143	0.141	0.154	0.197	0.191
950	0.135	0.151	0.150	0.163	0.209	0.201
900	0.142	0.157	0.158	0.172	0.219	0.209
850	0.149	0.164	0.169	0.183	0.227	0.217
800	0.157	0.173	0.181	0.195	0.236	0.225
750	0.166	0.182	0.194	0.208	0.250	0.233
700	0.177	0.190	0.208	0.224	0.270	0.250
650	0.204	0.200	0.228	0.249	0.295	0.276
600	0.240	0.253	0.256	0.281	0.337	0.309
550	0.284	0.315	0.302	0.336	0.416	0.349
500	0.336	0.373	0.399	0.416	0.529	0.440
450	0.450	0.432	0.531	0.546	0.677	0.556
400	0.619	0.617	0.705	0.745	0.873	0.912
350	0.861	0.938	0.998	1.097	1.234	1.447
300	1.254	1.379	1.522	1.699	1.933	2.483
HEIGHT	SCALE HEIGHT, KM.					
900	1037.8	1317.6	859.2	867.5	1275.3	1347.2
850	982.8	1070.4	788.9	805.9	1269.9	1340.7
800	872.9	915.6	746.1	763.5	1031.9	1147.9
750	728.0	828.6	748.6	707.4	792.0	955.2
700	587.1	741.6	576.1	559.2	637.6	798.0
650	473.3	644.3	486.3	461.8	489.3	651.5
600	359.6	378.8	396.5	364.4	304.0	505.0
550	288.4	246.5	309.3	284.8	260.7	358.5
500	241.4	234.2	228.2	215.0	218.7	262.8
450	157.9	222.0	175.4	170.6	199.6	167.2
	155.9	154.6	163.0	151.3	176.4	109.8
350	144.7	126.7	132.8	122.0	132.8	101.7
300	126.6	120.1	111.0	104.6	87.0	82.6
LONG	-67.69	-67.46	-67.22	-67.01	-66.00	-65.72
LAT	22.42	20.46	13.44	16.48	6.37	3.39
QUAL	33	33	23	23	33	33

Table III.—Continued

PASS 1586 AT QUITOE, 63 123								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	113918	114029	114104	114140	114215	114251	114327	114402
1000	0.204	0.207	0.245	0.223	0.229	0.235	0.228	0.224
950	0.213	0.214	0.254	0.230	0.237	0.248	0.241	0.239
900	0.221	0.220	0.264	0.239	0.247	0.263	0.255	0.254
850	0.229	0.225	0.273	0.249	0.259	0.279	0.272	0.271
800	0.238	0.234	0.288	0.264	0.275	0.297	0.291	0.290
750	0.247	0.247	0.326	0.286	0.292	0.315	0.312	0.310
700	0.264	0.265	0.378	0.314	0.312	0.344	0.335	0.331
650	0.288	0.296	0.413	0.352	0.338	0.381	0.365	0.357
600	0.318	0.345	0.512	0.399	0.377	0.426	0.403	0.393
550	0.354	0.421	0.716	0.478	0.443	0.477	0.447	0.447
500	0.501	0.539	0.949	0.625	0.575	0.615	0.618	0.612
450	0.738	0.809	1.211	0.868	0.830	0.852	1.072	0.816
400	1.009	1.405	1.543	1.253	1.243		1.343	1.298
350	1.740	2.139	2.895	2.083	1.897		2.149	2.109
300	3.174		5.434	4.194	3.650		4.095	3.906
HEIGHT	SCALE HEIGHT, KM							
900	1330.6	1984.1	1402.7	1272.0	1131.0	840.1	808.8	773.2
850	1242.5	1628.1	1164.9	983.5	1012.2	780.0	777.6	761.6
800	1100.2	1083.3	755.9	738.9	843.4	719.4	746.4	751.2
750	957.9	808.3	458.6	612.4	765.3	658.8	686.6	749.5
700	811.1	581.4	373.5	496.2	683.1	585.6	604.8	688.2
650	662.3	400.2	346.5	423.1	554.5	509.0	523.1	578.3
600	513.5	284.4	278.4	349.9	406.0	432.5	441.4	441.3
550	364.7	233.4	186.8	275.0	263.6	356.0	359.6	221.1
500	206.4	173.9	168.5	197.4	171.2	222.3	212.2	184.3
450	125.2	128.6	161.6	149.5	143.4	141.5	121.4	141.8
400	118.5	104.0	151.2	123.8	121.3		128.5	99.7
350	102.0	98.6	81.5	91.5	101.6		78.5	90.5
300	87.2		92.9	67.8	79.8		97.6	85.5
LONG	-65.53	-65.16	-64.98	-64.79	-64.60	-64.41	-64.21	-64.01
LAT	1.37	-2.61	-4.57	-6.60	-8.56	-10.58	-12.60	-14.56
QUAL	23	23	23	23	33	33	33	33

Table III.—Continued

PASS 1586 AT QUITOE, 63 123			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	114438	114531	114621
1000	0.244	0.262	0.261
950	0.258	0.276	0.275
900	0.274	0.289	0.292
850	0.290	0.306	0.313
800	0.306	0.327	0.341
750	0.325	0.350	0.373
700	0.351	0.380	0.409
650	0.393	0.419	0.457
600	0.454	0.485	0.522
550	0.566	0.589	0.638
500	0.746	0.750	0.839
450	1.048	1.001	1.133
400	1.498	1.483	1.640
350	2.439	2.385	2.537
300	4.583	4.097	4.106
HEIGHT	SCALE HEIGHT, KM		
	845.2	1062.4	843.2
950	845.2	1062.4	843.2
900	870.0	972.2	758.1
850	904.5	882.0	667.4
800	875.5	738.5	594.1
750	728.8	658.9	535.5
700	550.9	555.9	486.9
650	396.8	436.8	413.8
600	290.1	304.9	325.7
550	227.6	230.2	218.7
500	181.0	192.3	172.6
450	151.2	153.7	155.3
400	130.2	119.2	126.2
350	93.4	95.6	106.3
300	104.2	107.2	124.2
LONG	-63.79	-63.46	-63.14
LAT	-16.58	-19.54	-22.33
QUAL	33	33	33

Table III.—Continued

PASS 1586 AT SOLANT, 63 123								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	114936	115012	115105	115140	115216	115252	115327	115403
1000	0.240	0.227	0.218	0.200	0.190	0.207	0.189	0.195
950	0.252	0.246	0.232	0.218	0.207	0.223	0.209	0.215
900	0.261	0.265	0.252	0.240	0.227	0.248	0.232	0.239
850	0.290	0.292	0.279	0.267	0.252	0.274	0.258	0.268
800	0.314	0.315	0.312	0.298	0.285	0.302	0.288	0.302
750	0.333	0.349	0.353	0.335	0.328	0.337	0.323	0.342
700	0.346	0.388	0.407	0.383	0.383	0.401	0.376	0.395
650	0.392	0.433	0.479	0.446	0.451	0.482	0.446	0.460
600	0.454	0.493	0.577	0.531	0.546	0.576	0.538	0.557
550	0.539	0.602	0.710	0.667	0.677	0.742	0.676	0.716
500	0.690	0.748	0.911	0.875	0.893	0.989	0.906	0.953
450	0.909	0.937	1.197	1.178	1.230	1.359	1.273	1.326
400	1.241	1.273	1.575	1.615	1.731	1.892	1.808	1.886
350	1.655	1.735	2.049		2.390	2.644	2.605	2.734
300					3.251	3.766	3.674	4.024
HEIGHT	SCALE HEIGHT, KM							
	949.7	713.1	702.0	538.9	556.8	579.6	486.8	477.8
950	949.7	713.1	702.0	538.9	556.8	579.6	486.8	477.8
900	843.3	614.0	559.4	495.2	515.2	503.6	467.7	452.5
850	605.1	566.6	488.3	459.8	427.6	467.5	441.8	429.6
800	602.8	557.7	429.7	432.4	380.4	435.0	410.3	402.7
750	600.5	500.0	383.6	405.0	354.6	392.3	378.8	375.3
700	598.3	458.0	336.8	366.1	323.1	325.7	337.5	340.6
650	402.0	408.7	289.5	321.5	284.6	271.4	294.7	303.2
600	313.8	335.4	261.9	253.4	248.0	236.3	250.8	225.2
550	252.5	239.4	222.8	206.4	211.4	200.9	204.9	197.5
500	192.2	225.6	194.8	181.5	173.6	170.8	169.0	169.9
450	177.9	195.5	184.8	167.9	150.9	155.6	147.6	148.3
400	165.6	164.3	165.0	129.7	152.0	151.4	140.2	139.2
350	156.5	163.8	202.4		158.3	143.9	140.6	132.2
300					180.6	170.9	163.1	136.1
LONG	-61.01	-61.27	-60.72	-60.32	-59.88	-59.41	-58.89	-58.34
LAT	-33.20	-35.19	-38.13	-40.06	-42.04	-44.03	-45.95	-47.92
QUAL	33	33	33	33	33	33	33	23

Table III.—Continued

PASS 1586 AT SOLANT, 63 123								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	115438	115514	115550	115630	115706	115742	115817	115853
1000	0.198	0.199	0.184	0.174	0.166	0.156	0.158	0.177
950	0.222	0.224	0.210	0.199	0.189	0.176	0.183	0.205
900	0.250	0.252	0.239	0.229	0.218	0.203	0.210	0.235
850	0.282	0.286	0.274	0.266	0.253	0.237	0.242	0.270
800	0.322	0.326	0.314	0.309	0.296	0.281	0.279	0.308
750	0.370	0.374	0.365	0.365	0.355	0.334	0.325	0.363
700	0.427	0.436	0.427	0.434	0.432	0.396	0.381	0.431
650	0.505	0.518	0.510	0.515	0.527	0.485	0.469	0.514
600	0.613	0.638	0.637	0.650	0.670	0.617	0.581	0.632
550	0.767	0.807	0.806	0.824	0.865	0.802	0.764	0.779
500	0.992	1.061	1.063	1.091	1.186	1.086	1.039	1.027
450	1.353	1.435	1.450	1.498	1.679	1.550	1.516	1.425
400	1.869	1.953	2.028	2.148	2.385	2.222	2.210	2.100
350	2.770	2.652		3.068	3.391	3.233	3.256	3.124
300	4.126	3.552		4.279	4.607	4.680	4.680	4.568
HEIGHT	SCALE HEIGHT, KM							
	422.2	417.2	372.1	354.8	352.5	370.6	353.1	343.9
950	422.2	417.2	372.1	354.8	352.5	370.6	353.1	343.9
900	406.0	403.8	369.1	341.4	333.7	339.6	353.5	351.8
850	388.6	390.6	361.9	327.2	315.9	313.9	345.6	341.3
800	370.6	370.8	354.1	312.9	298.1	295.9	329.5	330.8
750	351.8	342.4	323.1	295.6	278.4	286.6	305.9	311.7
700	333.0	308.4	295.3	277.5	257.7	277.4	281.2	292.5
650	281.1	268.3	250.6	259.4	236.4	222.7	249.2	272.2
600	243.4	235.6	226.8	229.9	210.4	201.7	217.1	243.6
550	218.7	206.6	203.1	199.7	181.8	182.4	184.0	214.1
500	188.7	176.7	175.0	170.6	152.8	154.9	150.6	174.4
450	160.9	166.1	158.0	151.4	144.6	141.8	128.4	143.4
400	138.9	162.7	146.2	138.6	142.5	137.0	132.5	126.5
350	123.7	167.8		142.4	146.4	132.0	129.6	127.4
300	133.0	185.5		171.5	249.6	147.0	140.0	148.6
LONG	-57.71	-57.02	-56.26	-55.28	-54.33	-53.20	-51.97	-50.56
LAT	-49.84	-51.80	-53.76	-55.92	-57.86	-59.78	-61.64	-63.54
QUAL	23	33	23	33	32	33	33	33

Table III. —Continued

PASS 1586 AT SULANT, 63 123								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	115928	120004	120039	120115	120151	120226	120302	120355
1000	0.175	0.169	0.165	0.148	0.163	0.159	0.155	0.124
950	0.207	0.201	0.196	0.176	0.190	0.182	0.174	0.141
900	0.243	0.235	0.231	0.206	0.222	0.208	0.195	0.162
850	0.284	0.274	0.271	0.241	0.257	0.239	0.220	0.185
800	0.350	0.319	0.319	0.280	0.298	0.278	0.249	0.210
750	0.386	0.378	0.379	0.332	0.351	0.324	0.284	0.236
700	0.451	0.446	0.450	0.395	0.412	0.381	0.326	0.269
650	0.542	0.544	0.551	0.472	0.498	0.458	0.375	0.315
600	0.674	0.674	0.683	0.589	0.630	0.568	0.433	0.370
550	0.858	0.853	0.873	0.735	0.803	0.716	0.532	0.434
500	1.127	1.108	1.155	0.975	1.051	0.943	0.652	0.540
450	1.551	1.521	1.601	1.330	1.422	1.274	0.830	0.671
400	2.168	2.135	2.236	1.870	1.985	1.738	1.073	0.885
350	3.062	2.937	3.113	2.665	2.766	2.404	1.423	1.227
300	4.152	3.960		3.679	3.625	3.266	1.875	1.785
HEIGHT	SCALE HEIGHT, KM							
900	317.6	321.2	311.3	313.1	329.2	355.8	419.0	375.1
850	319.9	314.0	300.6	309.7	323.9	342.2	404.2	375.6
800	314.2	303.2	290.4	306.0	314.5	330.7	382.5	371.1
750	301.3	290.3	281.0	291.7	296.9	319.7	363.7	366.6
700	288.5	277.3	271.5	277.0	279.4	295.8	346.2	353.9
650	265.6	256.2	250.8	260.0	256.8	245.9	328.7	329.6
600	231.1	231.6	225.4	233.9	227.2	226.6	309.4	305.4
550	199.9	204.9	196.6	207.4	199.4	206.2	271.5	280.6
500	173.0	177.3	168.8	174.7	176.0	180.0	233.5	246.9
450	152.2	154.2	152.3	156.5	161.5	167.0	209.2	213.2
400	146.1	152.9	151.3	142.4	149.6	157.5	199.9	172.1
350	155.5	159.8	159.4	145.6	166.6	156.6	180.4	147.1
300	196.0	254.9		198.5	270.0	199.4	186.1	126.8
LONG	-48.67	-46.98	-44.71	-42.02	-38.62	-34.80	-30.24	-20.90
LAT	-65.56	-67.22	-68.98	-70.76	-72.50	-74.09	-75.69	-77.75
QUAL	33	32	33	33	32	33	33	33

Table III.—Continued

PASS 1593 AT AGASTA, 63 124								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	4218	4254	4329	4405	4733	4814	4850	4925
1000	0.160	0.185	0.161	0.156	0.152	0.154	0.145	0.140
950	0.175	0.198	0.178	0.172	0.164	0.169	0.156	0.151
900	0.197	0.221	0.197	0.190	0.182	0.183	0.170	0.164
850	0.223	0.246	0.224	0.216	0.202	0.200	0.187	0.179
800	0.256	0.279	0.257	0.250	0.231	0.225	0.206	0.198
750	0.298	0.323	0.308	0.294	0.278	0.265	0.237	0.223
700	0.356	0.383	0.377	0.354	0.354	0.336	0.289	0.260
650	0.436	0.475	0.468	0.443	0.515	0.469	0.396	0.325
600	0.562	0.617	0.579	0.594	0.860	0.782	0.615	0.470
550	0.759	0.817	0.804	0.830	1.636	1.431	1.160	0.806
500	1.087	1.144	1.189	1.173	3.045	2.635	2.173	1.636
450	1.617	1.663	1.789	2.059	5.238	4.753	4.145	3.122
400	2.595	2.560	3.056	3.629	7.817	7.371	6.982	5.777
350	4.148	4.064	5.038	6.266				8.886
300	6.242	6.318	7.519	9.469				
HEIGHT	SCALE HEIGHT, KM							
	494.7	592.4	531.0	495.8	549.7	609.6	666.3	697.2
950	494.7	592.4	531.0	495.8	549.7	609.6	666.3	697.2
900	412.9	465.6	427.8	436.0	480.1	598.2	565.2	589.4
850	379.4	424.9	368.9	373.8	433.4	486.8	517.1	518.7
800	346.6	370.8	316.0	326.6	304.8	368.4	436.9	462.0
750	307.3	323.5	273.8	292.6	244.6	260.5	310.9	399.1
700	262.2	263.5	240.7	254.8	172.4	188.4	205.4	275.2
650	225.4	211.9	220.9	190.0	122.1	125.1	137.2	180.6
600	178.4	181.4	201.2	163.6	88.4	85.1	94.6	118.5
550	155.3	165.6	149.7	152.0	72.6	82.1	76.6	73.9
500	137.5	147.6	125.8	114.5	89.7	83.8	77.0	75.5
450	120.0	128.1	113.8	87.8	98.8	92.7	77.5	78.9
400	106.7	113.4	98.3	87.6	205.0	165.0	145.1	91.7
350	114.7	106.6	113.1	99.0				178.6
300	156.1	136.0	179.2	196.8				
LONG	-87.77	-87.47	-87.20	-86.93	-85.65	-85.37	-85.17	-84.99
LAT	-30.47	-28.46	-26.49	-24.46	-12.73	-10.41	-7.37	-6.39
QUAL	11	13	12	23	23	12	12	13

Table III.—Continued

PASS 1593 AT QUITOE, 63 124		
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)		
HEIGHT	TIME (UT)	
	4640	4703
1000	0.150	0.169
950	0.165	0.185
900	0.164	0.200
850	0.210	0.221
800	0.242	0.257
750	0.264	0.309
700	0.302	0.419
650	0.476	0.612
600	0.740	1.047
550	1.401	2.079
500	2.968	3.706
450	5.324	6.341
400	8.503	
350		
300		
HEIGHT	SCALE HEIGHT, KM	
	4640	4703
950	502.4	701.6
900	425.7	570.3
850	371.9	388.3
800	341.2	308.6
750	273.1	228.0
700	202.1	149.2
650	139.9	115.1
600	93.4	80.3
550	69.7	80.7
500	75.5	88.9
450	91.6	110.1
400	150.1	
350		
300		
LONG	-86.10	-85.78
LAT	-17.41	-14.42
QUAL	21	22

Table III.—Continued

PASS 1594 AT OTTAWA, 63 124	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	1084.6
1000	0.045
950	0.057
900	0.066
850	0.081
800	0.100
750	0.122
700	0.158
650	0.206
600	0.273
550	0.328
500	0.471
450	0.630
400	0.873
350	1.181
300	1.372
HEIGHT	SCALE HEIGHT, KM
950	294.4
900	283.5
850	236.5
800	228.6
750	220.8
700	201.4
650	186.0
600	187.6
550	182.3
500	173.6
450	168.8
400	169.4
350	216.6
300	970.9
LONG	-72.72
LAT	58.82
QUAL	31

Table III. —Continued

PASS 1594 AT RESLUT, 63 124	
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)	
HEIGHT	TIME (UT)
	1162.0
1000	0.005
950	0.007
900	0.009
850	0.011
800	0.014
750	0.017
700	0.022
650	0.028
600	0.039
550	0.058
500	0.086
450	0.129
400	0.199
350	0.300
300	0.437
HEIGHT	SCALE HEIGHT, KM
900	229.2
850	243.8
800	232.7
750	200.1
700	193.9
650	187.7
600	136.2
550	131.6
500	127.0
450	119.7
400	119.4
350	127.0
300	139.6
LONG	-23.99
LAT	79.53
QUAL	32

Table III.—Continued

PASS 1614 AT COLLEGE, 63 125				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	123140	123216	123251	123345
1000	0.006	0.006	0.005	0.010
950	0.008	0.008	0.007	0.017
900	0.010	0.009	0.009	0.022
850	0.013	0.011	0.012	0.025
800	0.017	0.014	0.017	0.030
750	0.022	0.018	0.023	0.034
700	0.031	0.024	0.032	0.039
650	0.043	0.033	0.042	0.044
600	0.060	0.047	0.059	0.050
550	0.085	0.068	0.085	0.059
500	0.119	0.099	0.125	0.070
450	0.174	0.149	0.189	0.090
400	0.256	0.226	0.291	0.126
350	0.367	0.342	0.419	0.209
300	0.515	0.461	0.554	0.293
HEIGHT	SCALE HEIGHT, KM			
900	217.6	283.9	201.5	
850	193.8	250.8	162.7	
800	183.3	208.9	160.0	
750	164.7	180.9	159.8	375.3
700	152.6	160.7	162.2	388.0
650	149.1	147.0	162.2	376.2
600	149.9	144.8	146.8	345.2
550	147.2	137.8	133.1	305.4
500	142.5	126.9	127.7	253.8
450	131.4	121.9	120.1	174.1
400	133.3	120.6	122.4	122.9
350	151.6	138.2	157.6	113.6
300	3538.9	202.9	209.5	201.9
LONG	-120.03	-115.74	-112.34	-108.25
LAT	74.55	72.92	71.25	68.56
QUAL	31	32	32	31

Table III.—Continued

PASS 1614 AT PRINCE, 63 125		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	124321	124357
1000	0.076	0.081
950	0.082	0.086
900	0.086	0.091
850	0.088	0.095
800	0.090	0.102
750	0.092	0.111
700	0.094	0.121
650	0.107	0.129
600	0.125	0.141
550	0.144	0.154
500	0.166	0.184
450	0.213	0.256
400	0.319	0.393
350	0.505	0.714
300	0.769	
HEIGHT	SCALE HEIGHT, KM	
	806.5	927.3
950	806.5	927.3
900	2017.0	902.4
850	1844.0	820.1
800	1671.0	742.9
750	1498.0	677.7
700	1325.0	635.0
650	349.8	624.6
600	336.8	533.5
550	305.5	425.4
500	274.2	252.3
450	183.9	127.3
400	109.9	89.3
350	111.0	93.2
300	111.5	
LONG	-92.67	-92.29
LAT	37.34	35.34
QUAL	33	33

Table III. —Continued

PASS 1614 AT FTMYRS, 63 125			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	124356	125213	125400
1000	0.008	0.137	0.123
950	0.073	0.145	0.151
900	0.075	0.150	0.140
850	0.001	0.158	0.151
800	0.007	0.167	0.165
750	0.092	0.179	0.182
700	0.100	0.195	0.204
650	0.110	0.219	0.236
600	0.120	0.254	0.280
550	0.129	0.308	0.348
500	0.143	0.397	0.458
450	0.190	0.562	0.652
400	0.313	0.841	0.960
350	0.553	1.361	1.560
300	0.999	2.350	2.950
HEIGHT	SCALE HEIGHT, KM		
	1460.9	1187.6	793.3
950	1460.9	1187.6	793.3
900	1085.2	1228.6	709.2
850	699.7	994.4	601.9
800	696.7	790.9	539.9
750	693.7	649.0	489.9
700	586.8	519.6	401.3
650	592.9	407.5	298.1
600	645.0	309.7	260.6
550	574.0	234.0	214.1
500	418.2	173.7	165.1
450	106.9	127.9	135.2
400	103.7	117.1	117.6
350	79.2	99.4	88.9
300	104.8	91.5	79.0
LONG	-92.50	-38.84	-84.27
LAT	35.59	7.55	1.54
QUAL	33	30	32

Table III. —Continued

PASS 1614 AT QUITOE, 63 125								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	125155	125249	125325	125400	125436	125511	125547	125623
1000	0.148	0.142	0.144	0.135	0.132	0.143	0.149	0.156
950	0.154	0.146	0.149	0.141	0.138	0.152	0.159	0.164
900	0.159	0.152	0.155	0.151	0.147	0.162	0.170	0.177
850	0.165	0.163	0.164	0.165	0.158	0.174	0.183	0.194
800	0.160	0.176	0.177	0.179	0.173	0.190	0.199	0.209
750	0.196	0.192	0.195	0.199	0.192	0.211	0.219	0.233
700	0.214	0.214	0.221	0.223	0.218	0.238	0.245	0.260
650	0.240	0.247	0.259	0.260	0.252	0.274	0.281	0.301
600	0.293	0.296	0.316	0.311	0.299	0.326	0.334	0.363
550	0.389	0.369	0.403	0.384	0.369	0.399	0.424	0.463
500	0.468	0.491	0.523	0.505	0.477	0.540	0.583	0.644
450	0.612	0.710	0.770	0.699	0.673	0.800	0.841	0.986
400	1.137	1.048	1.149	0.987	1.024	1.227	1.347	1.616
350	1.562	1.661	1.754	1.588	1.778	2.062	2.325	2.768
300	2.439	2.748	3.087	2.849	3.189	3.661	3.857	4.198
HEIGHT	SCALE HEIGHT, KM							
	1563.3	1574.9	1414.6	876.0	978.1	846.0	734.2	944.1
950	1563.3	1574.9	1414.6	876.0	978.1	846.0	734.2	944.1
900	1315.7	988.6	1059.8	693.0	757.1	753.3	717.8	659.9
850	1068.1	714.4	745.4	579.6	610.6	637.3	634.8	600.4
800	577.9	615.2	621.4	542.5	534.0	521.8	557.9	559.8
750	577.0	513.8	471.8	447.0	457.3	445.2	485.5	462.9
700	509.5	415.9	354.4	375.3	380.2	382.5	410.6	393.1
650	390.1	294.0	284.0	314.4	320.9	326.4	334.0	311.2
600	214.1	255.6	232.0	260.3	269.7	270.4	254.0	241.9
550	208.2	209.0	199.7	212.6	225.2	213.7	187.0	184.7
500	194.2	156.5	168.0	172.7	174.9	151.5	147.8	141.3
450	165.2	132.7	142.5	148.8	138.4	122.6	126.3	116.7
400	111.1	119.0	121.3	129.2	101.9	109.1	100.1	100.3
350	121.9	107.1	107.1	101.2	91.8	92.1	93.8	104.0
300	101.6	104.2	95.5	81.1	89.1	115.8	142.9	247.2
LONG	-88.94	-88.65	-88.46	-88.27	-88.08	-87.90	-87.72	-87.53
LAT	8.56	5.53	3.51	1.54	-0.48	-2.44	-4.46	-6.48
QUAL	32	33	21	32	32	32	22	21

Table III.—Continued

PASS 1614 AT QUITOE, 65 125								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	125658	125734	125810	125903	125921	125957	130032	130108
1000	0.158	0.156	0.159	0.160	0.160	0.163	0.152	0.159
950	0.169	0.168	0.170	0.170	0.170	0.170	0.165	0.167
900	0.181	0.179	0.181	0.180	0.180	0.180	0.178	0.176
850	0.197	0.192	0.193	0.194	0.193	0.193	0.194	0.194
800	0.217	0.208	0.211	0.210	0.210	0.209	0.211	0.214
750	0.239	0.229	0.232	0.230	0.231	0.229	0.231	0.230
700	0.268	0.257	0.260	0.258	0.257	0.253	0.257	0.264
650	0.307	0.296	0.296	0.296	0.294	0.285	0.291	0.300
600	0.371	0.351	0.353	0.352	0.347	0.331	0.340	0.348
550	0.481	0.453	0.453	0.455	0.434	0.409	0.416	0.422
500	0.703	0.646	0.651	0.660	0.605	0.556	0.559	0.551
450	1.103	1.031	1.031	1.048	0.946	0.854	0.834	0.784
400	1.784	1.788	1.747	1.774	1.578	1.438	1.342	1.192
350	3.044	3.174	3.092	2.979	2.775	2.539	2.408	1.985
300	4.202	4.290		3.957	3.949	3.833	3.813	3.493
HEIGHT	SCALE HEIGHT, KM							
	950	900	850	800	750	700	650	600
950	767.1	785.8	789.4	971.1	860.0	991.6	660.4	886.7
900	654.7	767.6	739.5	760.0	759.4	774.9	627.2	703.6
850	582.1	652.5	672.2	666.1	660.3	690.9	597.9	600.4
800	525.6	571.0	550.3	590.4	570.1	601.4	575.7	530.1
750	469.0	479.6	482.7	480.1	486.9	522.8	507.6	485.1
700	405.1	393.7	418.4	402.9	425.7	460.7	438.3	428.6
650	318.0	324.4	336.7	330.8	348.0	393.2	363.4	367.3
600	226.8	250.7	248.0	243.1	267.6	283.8	284.6	301.6
550	163.4	181.6	174.8	169.0	192.0	202.1	216.4	225.5
500	129.8	129.5	129.1	130.2	136.6	145.1	145.9	166.6
450	110.3	102.0	104.1	106.4	107.3	110.2	116.0	132.4
400	101.3	90.5	92.5	97.4	95.4	94.5	101.2	112.2
350	111.8	111.6	121.2	134.4	107.9	97.8	87.0	94.6
300	303.6	326.5		357.9	471.0	221.5	179.0	120.7
LONG	-87.54	-87.14	-86.94	-86.63	-86.52	-86.31	-86.08	-85.84
LAT	-8.45	-10.47	-12.49	-15.46	-16.47	-18.48	-20.44	-22.45
QUAL	22	21	21	22	22	32	33	33

Table III.—Continued

PASS 1614 AT QUITOE, 63 125				
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)				
HEIGHT	TIME (UT)			
	130150	130208	130302	130337
1000	0.153	0.153	0.151	0.157
950	0.163	0.165	0.162	0.168
900	0.175	0.180	0.173	0.179
850	0.190	0.199	0.187	0.195
800	0.209	0.219	0.206	0.216
750	0.234	0.244	0.229	0.242
700	0.266	0.274	0.260	0.276
650	0.307	0.313	0.304	0.321
600	0.357	0.366	0.364	0.383
550	0.436	0.442	0.449	0.479
500	0.567	0.563	0.556	0.621
450	0.776	0.777	0.806	0.864
400	1.127	1.139	1.160	1.187
350	1.778	1.746	1.758	1.839
300	3.030	2.925	2.753	2.886
HEIGHT	SCALE HEIGHT, KM			
	746.1	613.8	833.6	751.3
950	746.1	613.8	833.6	751.3
900	627.5	551.3	717.3	650.7
850	561.7	512.2	581.2	537.2
800	495.9	481.5	480.2	472.3
750	442.2	447.5	424.1	414.7
700	395.3	410.2	367.6	363.6
650	346.1	362.1	310.6	308.6
600	291.7	284.1	262.7	252.4
550	227.2	238.8	227.6	213.1
500	180.3	189.1	192.6	180.4
450	149.9	152.4	164.3	162.0
400	126.2	125.9	136.5	143.6
350	108.0	112.4	121.8	121.1
300	91.3	96.2	90.1	123.2
LONG	-85.55	-85.42	-85.01	-84.72
LAT	-24.79	-25.80	-28.80	-30.75
QUAL	33	33	33	32

Table III. —Continued

PASS 1614 AT AGASTA, 63 125						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	130243	130359	130448	130617	130653	130729
1000	0.145	0.140	0.127	0.135	0.126	0.131
950	0.154	0.152	0.138	0.146	0.135	0.138
900	0.166	0.166	0.152	0.158	0.148	0.148
850	0.180	0.181	0.169	0.173	0.163	0.164
800	0.197	0.202	0.189	0.193	0.185	0.190
750	0.220	0.227	0.216	0.221	0.212	0.216
700	0.249	0.258	0.249	0.253	0.246	0.247
650	0.284	0.299	0.292	0.296	0.290	0.300
600	0.331	0.353	0.344	0.357	0.350	0.372
550	0.401	0.434	0.416	0.447	0.439	0.473
500	0.510	0.560	0.530	0.587	0.573	0.628
450	0.678	0.765	0.724	0.819	0.781	0.881
400	0.934	1.111	1.064	1.260	1.157	1.297
350	1.322	1.667	1.629	2.077	1.852	1.985
300	2.155	2.612	2.682	3.305	2.877	2.979
HEIGHT	SCALE HEIGHT, KM					
	130243	130359	130448	130617	130653	130729
950		598.5	558.2	630.0	635.9	805.6
900	656.6	561.1	503.7	558.9	524.9	606.7
850	580.9	507.8	453.9	498.7	448.7	465.0
800	506.7	455.4	408.5	431.3	399.0	372.8
750	453.9	408.9	369.3	374.7	355.0	348.2
700	402.3	371.3	334.4	347.4	315.6	317.2
650	352.3	326.0	312.7	292.3	291.3	259.3
600	297.6	275.4	287.4	243.4	247.4	224.5
550	230.7	217.3	244.2	208.4	205.7	193.6
500	200.3	177.5	184.2	166.5	178.6	163.3
450	175.2	143.8	140.7	136.8	140.2	142.1
400	152.9	128.7	123.2	107.9	118.4	122.1
350	130.8	117.7	110.6	103.3	109.6	120.1
300	95.2	112.7	101.7	147.0	116.8	136.7
LONG	-85.16	-84.54	-84.08	-83.14	-82.71	-82.23
LAT	-27.74	-31.97	-34.69	-39.62	-41.60	-43.58
QUAL	22	21	21	21	21	31

Table III. — Continued

PASS 1620 AT AGASTA, 63 126								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	1036	1112	1148	1223	1428	1504	1533	1744
1000	0.168	0.168	0.172	0.165	0.153	0.159	0.155	0.148
950	0.185	0.183	0.188	0.182	0.170	0.175	0.177	0.169
900	0.205	0.205	0.208	0.201	0.192	0.198	0.209	0.194
850	0.230	0.232	0.233	0.227	0.221	0.233	0.263	0.242
800	0.263	0.267	0.271	0.259	0.269	0.300	0.350	0.322
750	0.307	0.312	0.317	0.303	0.359	0.402	0.489	0.449
700	0.365	0.374	0.377	0.362	0.523	0.502	0.748	0.657
650	0.446	0.469	0.466	0.447	0.832	0.922	1.188	1.006
600	0.564	0.602	0.606	0.594	1.389	1.540	1.890	1.596
550	0.763	0.808	0.818	0.841	2.450	2.513	2.757	2.474
500	1.101	1.190	1.167	1.366	4.431	4.272	3.747	3.511
450	1.666	1.812	1.880	2.679	6.990	6.046	4.778	4.547
400	2.677	3.009	3.442	5.570	9.184			
350	4.518	5.292	6.936	10.374				
300	7.560	9.680	12.520					
HEIGHT	SCALE HEIGHT, KM							
	1036	1112	1148	1223	1428	1504	1533	1744
950	490.0	511.9	521.5	533.5	435.6	470.1	340.8	404.6
900	457.4	415.9	450.4	461.6	376.7	360.7	263.1	295.5
850	406.1	373.4	353.4	401.4	305.4	249.6	203.4	199.2
800	346.7	342.2	342.9	342.3	214.8	179.6	165.6	165.9
750	310.3	301.8	305.3	314.2	152.7	152.2	135.2	141.1
700	272.6	247.2	264.2	271.3	123.5	115.8	114.3	122.3
650	234.5	205.7	211.1	202.8	99.3	109.0	110.7	115.4
600	187.1	186.5	175.6	156.6	94.6	97.4	120.9	111.9
550	152.5	155.3	156.2	129.7	83.1	97.8	148.1	127.6
500	128.1	124.4	124.5	90.8	93.0	122.4	184.2	168.7
450	114.8	109.7	99.2	71.7	144.2	178.6	243.9	224.2
400	102.9	94.6	76.4	71.9	241.2			
350	94.4	84.5	74.8	96.6				
300	103.1	96.6	100.9					
LONG	-84.46	-84.13	-83.82	-83.54	-82.65	-82.42	-82.24	-81.47
LAT	-33.53	-31.52	-29.50	-27.54	-20.50	-18.46	-16.83	-9.42
QUAL	12	13	13	13	12	12	11	12

Table III. —Continued

PASS 1620 AT AGASTA, 63 126			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	1838	1913	
1000	0.144	0.142	
950	0.161	0.153	
900	0.178	0.166	
850	0.207	0.186	
800	0.260	0.218	
750	0.347	0.276	
700	0.499	0.378	
650	0.755	0.573	
600	1.255	0.933	
550	2.141	1.573	
500	3.516	2.948	
450	5.134	5.227	
400	6.566		
350			
300			
HEIGHT	SCALE HEIGHT, KM		
950	520.0	698.4	
900	411.6	505.5	
850	275.3	397.3	
800	198.9	261.2	
750	152.4	189.4	
700	129.9	139.0	
650	106.2	104.5	
600	96.6	101.5	
550	97.9	88.5	
500	115.1	81.8	
450	163.0	102.9	
400	273.1		
350			
300			
LONG	-81.48	-80.99	
LAT	-6.37	-4.38	
QUAL	12	13	

Table III.—Continued

PASS 1620 AT QUITOE, 63 126			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	1745	1856	
1000	0.157	0.143	
950	0.176	0.156	
900	0.205	0.172	
850	0.255	0.196	
800	0.342	0.241	
750	0.475	0.300	
700	0.695	0.431	
650	1.082	0.668	
600	1.719	1.092	
550	2.621	1.945	
500	3.637	3.476	
450	5.13	5.136	
400			
350			
300			
HEIGHT	SCALE HEIGHT, KM		
950	413.6	570.5	
900	275.6	457.4	
850	203.1	285.2	
800	166.9	228.5	
750	145.7	193.0	
700	121.0	155.8	
650	112.6	106.1	
600	114.8	96.0	
550	133.6	87.5	
500	180.4	95.8	
450	237.0	142.1	
400			
350			
300			
LONG	-81.46	-91.08	
LAT	-9.37	-5.35	
QUAL	22	13	

Table III. —Continued

PASS 1621 AT OTTAWA, 63 126		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	3542	3600
1000	0.002	0.004
950	0.006	0.007
900	0.008	0.009
850	0.011	0.011
800	0.016	0.015
750	0.020	0.019
700	0.027	0.026
650	0.036	0.034
600	0.047	0.046
550	0.065	0.063
500	0.089	0.086
450	0.125	0.126
400	0.190	0.195
350	0.291	0.301
300	0.448	0.462
HEIGHT	SCALE HEIGHT, KM	
900		191.7
850		194.3
800	164.0	192.6
750	174.8	182.3
700	179.4	173.7
650	175.4	167.2
600	170.9	162.9
550	163.7	159.3
500	153.2	152.1
450	135.9	126.3
400	117.7	115.1
350	117.5	116.3
300	119.6	135.7
LONG	-72.35	-72.01
LAT	51.26	52.25
QUAL	31	21

Table III.—Continued

PASS 1621 AT RESLUT, 63 126			
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)			
HEIGHT	TIME (UT)		
	4427	4538	4801
1000	0.004	0.004	0.006
950	0.005	0.006	0.009
900	0.006	0.007	0.011
850	0.007	0.008	0.014
800	0.009	0.010	0.018
750	0.012	0.017	0.023
700	0.016	0.025	0.030
650	0.022	0.035	0.038
600	0.031	0.055	0.050
550	0.044	0.085	0.067
500	0.066	0.134	0.093
450	0.102	0.213	0.130
400	0.160	0.331	0.180
350	0.251	0.495	0.260
300	0.402	0.662	0.414
HEIGHT	SCALE HEIGHT, KM		
900	330.1	419.7	190.6
850	228.5	272.7	199.2
800	187.6	140.5	202.1
750	172.9	114.9	213.2
700	166.5	124.5	207.8
650	161.5	128.0	186.9
600	152.9	119.5	175.4
550	134.4	113.8	160.7
500	123.5	111.1	155.0
450	114.9	111.3	153.8
400	111.3	118.8	149.8
350	109.9	140.7	128.6
300	111.5	250.7	89.5
LONG	-36.12	-18.65	26.73
LAT	77.61	79.65	79.60
QUAL	32	31	22

Table III.—Continued

PASS 1641 AT RESLUT, 63 127							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	120434	120452	120510	120528	120546	120604	120715
1000	0.019	0.021	0.021	0.017	0.022	0.007	0.009
950	0.020	0.022	0.022	0.020	0.026	0.010	0.012
900	0.021	0.023	0.022	0.022	0.028	0.012	0.013
850	0.023	0.025	0.023	0.024	0.030	0.015	0.015
800	0.027	0.027	0.025	0.030	0.033	0.019	0.016
750	0.033	0.031	0.028	0.038	0.039	0.024	0.019
700	0.042	0.041	0.034	0.045	0.046	0.031	0.024
650	0.055	0.055	0.051	0.053	0.055	0.038	0.031
600	0.075	0.071	0.074	0.061	0.066	0.052	0.040
550	0.106	0.090	0.096	0.070	0.066	0.076	0.055
500	0.154	0.127	0.141	0.080	0.114	0.123	0.075
450	0.242	0.176	0.222	0.090	0.159	0.199	0.108
400	0.367	0.245	0.323	0.100	0.236	0.318	0.153
350	0.514	0.345	0.442	0.111	0.351	0.518	0.231
300		0.473		0.123	0.588	0.811	
HEIGHT	SCALE HEIGHT, KM						
	120434	120452	120510	120528	120546	120604	120715
900	781.5	935.4		435.5		212.9	491.0
850	497.7	649.3	817.7	384.5	751.6	205.7	468.2
800	306.3	458.8	643.0	289.3	484.2	204.8	404.1
750	231.4	293.2	468.3	252.5	351.0	204.0	317.3
700	202.7	174.6	199.4	252.7	318.2	203.1	228.8
650	179.2	175.6	146.0	253.0	285.4	202.2	196.9
600	159.6	178.8	148.5	253.2	252.6	174.0	175.4
550	142.9	180.3	151.5	253.5	205.7	124.2	164.4
500	127.8	163.4	121.2	253.7	164.7	110.1	153.5
450	118.0	152.0	123.8	253.9	138.2	105.1	143.7
400	133.4	150.2	148.6	254.2	128.3	105.6	133.3
350	173.2	157.8	178.7	254.4	116.7	110.2	117.0
300		165.8		254.6	96.1	130.2	
LONG	-99.28	-98.48	-97.78	-97.15	-96.53	-95.93	-94.01
LAT	63.59	62.64	61.68	60.72	59.76	58.79	54.95
QUAL	32	32	32	22	22	23	33

Table III.—Continued

PASS 1641 AT OTTAWA, 63 127						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	121104	121140	121309	121345	121532	121626
1000	0.060	0.054	0.079	0.086	0.100	0.113
950	0.062	0.059	0.084	0.096	0.104	0.119
900	0.064	0.063	0.087	0.098	0.107	0.128
850	0.066	0.065	0.090	0.101	0.111	0.137
800	0.069	0.068	0.094	0.104	0.114	0.152
750	0.073	0.072	0.100	0.107	0.119	0.163
700	0.078	0.077	0.107	0.121	0.127	0.171
650	0.085	0.085	0.117	0.139	0.138	0.177
600	0.098	0.096	0.132	0.153	0.152	0.215
550	0.121	0.115	0.161	0.167	0.172	0.269
500	0.168	0.148	0.214	0.212	0.200	0.317
450	0.251	0.213	0.309	0.307	0.247	0.456
400	0.402	0.367	0.529	0.536	0.319	0.702
350		0.634	0.903	0.921	0.431	1.162
300		1.092		1.595		
HEIGHT	SCALE HEIGHT, KM					
900	1893.6	1882.1	1519.6	1957.6	1650.5	1173.4
850	1408.3	1449.5	1584.6	1680.6	1604.7	1127.8
800	862.2	991.5	975.6	1403.6	1340.0	730.5
750	763.4	755.6	766.9	1126.7	974.6	692.4
700	664.5	621.9	647.2	650.0	690.8	654.3
650	532.5	490.1	484.8	416.8	553.3	616.2
600	324.2	373.3	342.7	389.4	469.4	368.0
550	194.6	258.5	238.1	362.0	383.7	232.8
500	136.4	171.9	165.5	209.0	282.4	216.4
450	118.9	117.5	115.9	112.6	219.0	123.8
400	98.6	92.0	93.3	91.2	194.9	108.7
350		92.0	107.9	91.3	138.3	108.4
300		152.7		105.9		
LONG	-89.92	-89.48	-88.50	-88.16	-87.26	-86.86
LAT	42.35	40.35	35.40	33.39	27.42	24.39
QUAL	32	32	31	32	23	23

Table III.—Continued

PASS 1641 AT QUITOE, 63 127								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	121919	122031	122048	122106	122142	122218	122254	122330
1000	0.120	0.143	0.140	0.132	0.139	0.144	0.149	0.162
950	0.127	0.148	0.145	0.143	0.148	0.155	0.157	0.168
900	0.132	0.156	0.153	0.150	0.156	0.164	0.166	0.179
850	0.139	0.167	0.162	0.161	0.166	0.182	0.182	0.195
800	0.150	0.180	0.181	0.175	0.179	0.201	0.200	0.212
750	0.164	0.197	0.206	0.196	0.201	0.220	0.220	0.233
700	0.184	0.219	0.236	0.224	0.230	0.242	0.241	0.258
650	0.211	0.250	0.269	0.258	0.264	0.282	0.276	0.291
600	0.245	0.299	0.312	0.299	0.303	0.337	0.323	0.339
550	0.290	0.378	0.400	0.378	0.386	0.412	0.386	0.422
500	0.368	0.488	0.521	0.487	0.501	0.506	0.476	0.556
450	0.503	0.637	0.695	0.646	0.672	0.684	0.675	0.755
400	0.710	0.885	0.943	0.872	0.902	0.961	0.988	1.077
350	0.993	1.259	1.251	1.206	1.250	1.353	1.390	1.576
300	1.350	1.641		1.607	1.655	1.838		
HEIGHT	SCALE HEIGHT, KM							
	1103.5	1199.9	1131.1	834.2	955.3	1192.1	897.7	965.4
950	1103.5	1199.9	1131.1	834.2	955.3	1192.1	897.7	965.4
900	1093.7	885.2	887.0	804.4	817.9	761.3	708.7	785.3
850	824.8	683.3	647.7	667.9	700.5	571.5	584.0	632.8
800	694.3	612.2	553.7	541.7	583.1	508.8	514.6	579.7
750	563.9	531.3	463.9	467.5	484.8	471.6	481.7	513.7
700	459.7	434.3	384.6	393.2	390.1	431.9	448.7	436.6
650	398.2	336.1	333.6	332.0	331.9	333.1	376.0	371.6
600	336.8	236.9	283.3	274.2	279.9	266.0	302.1	296.0
550	271.5	218.9	235.4	238.2	237.3	240.7	261.7	206.2
500	196.6	199.1	190.0	202.3	194.7	215.4	197.9	172.3
450	169.1	174.1	176.0	178.9	177.7	173.6	141.9	156.4
400	156.8	158.6	163.8	163.0	165.3	149.0	142.5	137.5
350	158.6	170.2	297.0	165.1	166.3	156.1	166.0	146.7
300	171.4	225.1		236.7	211.6	204.6		
LONG	-85.41	-85.34	-85.25	-85.15	-84.95	-84.76	-84.57	-84.38
LAT	14.70	10.66	9.70	8.69	6.67	4.64	2.59	0.59
QUAL	32	32	22	32	32	11	32	33

Table III.—Continued

PASS 1641 AT QUITOE, 63 127								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	122441	122553	122629	122704	122740	122937	123012	123048
1000	0.173	0.168	0.215	0.170	0.165	0.195	0.195	0.196
950	0.182	0.177	0.225	0.183	0.198	0.216	0.213	0.217
900	0.198	0.188	0.240	0.196	0.213	0.234	0.232	0.236
850	0.209	0.202	0.261	0.217	0.230	0.255	0.257	0.259
800	0.217	0.228	0.286	0.238	0.249	0.278	0.288	0.285
750	0.220	0.263	0.313	0.266	0.272	0.314	0.326	0.316
700	0.243	0.295	0.355	0.299	0.300	0.357	0.370	0.353
650	0.276	0.329	0.412	0.336	0.333	0.407	0.421	0.402
600	0.320	0.399	0.497	0.385	0.376	0.475	0.496	0.467
550	0.385	0.503	0.633	0.467	0.444	0.570	0.595	0.559
500	0.475	0.663	0.880	0.647	0.597	0.747	0.737	0.719
450	0.663	0.916	1.321	0.979	0.864	1.019	1.066	0.983
400	0.906	1.484	2.092	1.560	1.418	1.604	1.698	1.588
350	1.532	2.410	3.067	2.540	2.352	2.710	2.676	2.723
300	2.390	3.217		3.259	3.502	3.885	3.965	
HEIGHT	SCALE HEIGHT, KM							
950		834.9	912.6	622.4	724.8	574.2	582.5	568.6
900		707.5	713.2	591.2	676.1	584.7	520.9	564.0
850	1288.4	580.2	607.2	560.0	639.8	540.5	476.6	530.3
800	1204.9	495.2	526.8	525.2	586.3	494.3	440.3	491.2
750	1121.5	411.1	459.2	439.8	544.5	430.3	405.1	459.0
700	320.3	376.6	391.4	427.9	500.0	379.5	373.4	423.6
650	355.1	342.2	323.6	381.8	448.3	346.9	341.6	364.8
600	272.5	282.5	250.9	316.8	361.4	297.7	299.5	305.2
550	240.5	218.3	184.6	222.1	226.3	233.4	254.2	244.7
500	201.6	174.8	142.5	132.6	141.5	191.4	203.0	194.0
450	143.0	134.9	116.6	122.5	119.2	145.3	123.6	140.5
400	126.5	104.1	120.7	104.8	100.6	105.7	110.0	100.3
350	103.7	132.3	181.8	134.1	105.5	112.3	112.8	107.0
300	161.7	266.7		325.4	186.2	118.0	265.1	
LONG	-84.01	-83.64	-83.44	-83.25	-83.04	-82.34	-82.11	-81.86
LAT	-3.37	-7.42	-9.43	-11.39	-13.42	-19.97	-21.93	-23.95
QUAL	32	31	32	31	32	31	31	31

Table III.—Continued

PASS 1641 AT QUITOE, 63 127					
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)					
HEIGHT	TIME (UT)				
	123124	123142	123158	123218	123236
1000	0.211	0.215	0.202	0.218	0.197
950	0.231	0.234	0.224	0.244	0.220
900	0.253	0.257	0.250	0.271	0.246
850	0.278	0.284	0.281	0.301	0.277
800	0.308	0.314	0.318	0.335	0.315
750	0.340	0.349	0.359	0.376	0.361
700	0.379	0.394	0.407	0.427	0.416
650	0.427	0.447	0.463	0.495	0.480
600	0.499	0.524	0.539	0.581	0.583
550	0.597	0.618	0.638	0.721	0.714
500	0.753	0.731	0.802	0.903	0.874
450	0.979	1.019	1.075	1.222	1.195
400	1.504	1.477	1.601	1.827	1.777
350	2.490	2.258	2.462	2.688	2.634
300	3.710	3.390	3.535	3.660	
HEIGHT	SCALE HEIGHT, KM				
	543.3	525.2	463.9	442.4	451.8
950	543.3	525.2	463.9	442.4	451.8
900	533.0	503.0	441.5	465.6	424.8
850	521.8	488.9	422.9	456.9	400.9
800	504.0	474.7	408.6	443.2	383.7
750	469.9	456.5	402.0	409.8	362.1
700	423.4	401.2	385.2	364.4	329.6
650	373.3	347.6	349.4	318.3	297.4
600	310.1	311.6	307.5	272.5	271.1
550	248.7	275.6	263.7	240.1	244.8
500	211.3	239.6	211.8	207.8	217.2
450	165.5	173.9	152.8	139.7	145.9
400	109.7	131.7	123.7	127.0	133.9
350	104.4	121.5	125.9	146.8	109.0
300	715.9	185.7	219.2	266.9	
LONG	-81.60	-81.46	-81.34	-81.18	-81.04
LAT	-25.96	-26.95	-27.84	-28.95	-29.95
QUAL	31	32	31	2	31

Table III.—Continued

PASS 1647 AT AGASTA, 63 127							
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)							
HEIGHT	TIME (UT)						
	233837	233912	234024	234100	234135	234211	234247
1000	0.200	0.203	0.204	0.192	0.206	0.208	0.218
950	0.216	0.225	0.223	0.213	0.223	0.232	0.237
900	0.239	0.250	0.234	0.234	0.246	0.255	0.260
850	0.271	0.280	0.244	0.262	0.273	0.282	0.287
800	0.305	0.318	0.297	0.296	0.306	0.318	0.319
750	0.346	0.367	0.409	0.339	0.348	0.362	0.354
700	0.404	0.437	0.363	0.394	0.402	0.416	0.400
650	0.460	0.534	0.447	0.464	0.478	0.487	0.470
600	0.589	0.662	0.539	0.569	0.586	0.590	0.575
550	0.745	0.856	0.692	0.724	0.734	0.748	0.752
500	0.980	1.118	0.917	0.948	0.960	1.016	1.023
450	1.322	1.472	1.232	1.305	1.297	1.496	1.556
400	1.855	1.927	1.723	1.814	1.873	2.433	2.792
350	2.487	2.518	2.371	2.466	2.844	4.026	4.861
300	3.158	3.125	2.966	3.169		5.319	
HEIGHT	SCALE HEIGHT, KM						
	556.0	476.9	983.9	559.7	558.7	528.4	592.8
950	556.0	476.9	983.9	559.7	558.7	528.4	592.8
900	461.8	450.4	863.6	484.7	498.3	501.6	528.9
850	397.4	416.1	743.4	429.6	451.2	453.3	495.8
800	383.2	370.2	252.1	394.1	406.0	402.4	479.1
750	363.7	316.7	310.8	350.1	367.4	376.1	441.6
700	318.5	272.2	336.2	314.9	324.4	338.4	355.8
650	270.6	242.5	246.9	279.4	271.9	289.3	287.9
600	226.3	218.1	228.0	228.3	238.3	237.4	214.3
550	201.4	201.4	201.6	197.5	211.1	200.5	168.7
500	182.0	188.2	177.4	171.1	183.8	143.7	146.5
450	160.9	184.6	163.5	155.6	154.1	118.4	105.1
400	153.1	186.9	152.0	157.7	130.2	97.3	83.6
350	191.2	201.8	180.0	179.0	130.0	118.3	106.8
300	270.7	314.8	449.0	277.7		329.5	
LONG	-81.37	-81.00	-80.33	-80.02	-79.74	-79.46	-79.20
LAT	-37.53	-35.58	-31.56	-29.54	-27.57	-25.54	-23.52
QUAL	21	21	21	22	22	22	12

Table III. —Continued

PASS 1647 AT AGASTA, 63 127								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	234323	234359	234434	234510	234546	234604	234637	234711
1000	0.216	0.217	0.220	0.195	0.198	0.211	0.212	0.202
950	0.239	0.237	0.243	0.212	0.222	0.234	0.229	0.219
900	0.259	0.253	0.249	0.227	0.235	0.246	0.242	0.231
850	0.281	0.272	0.285	0.239	0.250	0.265	0.258	0.244
800	0.307	0.298	0.308	0.314	0.273	0.285	0.279	0.266
750	0.342	0.333	0.311	0.285	0.299	0.305	0.299	0.287
700	0.389	0.373	0.349	0.316	0.320	0.326	0.319	0.309
650	0.459	0.432	0.393	0.349	0.351	0.359	0.347	0.333
600	0.561	0.520	0.462	0.403	0.403	0.422	0.403	0.371
550	0.715	0.660	0.591	0.506	0.522	0.545	0.513	0.449
500	0.994	0.930	0.859	0.713	0.737	0.755	0.701	0.607
450	1.537	1.507	1.399	1.124	1.169	1.181	1.048	0.876
400	2.846	2.652	2.473	2.037	1.973	2.046	1.764	1.365
350	5.097	4.724	4.332	3.620	3.577	3.655	3.126	2.334
300	7.652	7.716	7.278	6.532	6.430	6.524	5.683	4.409
HEIGHT	SCALE HEIGHT, KM							
950	618.8	734.6	1020.0		883.0	831.8	864.6	860.6
900	625.8	705.6	931.6		808.3	833.4	820.8	920.5
850	588.2	604.5	570.7	734.0	699.9	713.6	748.6	789.3
800	502.5	520.3	597.3	582.5	623.3	705.4	722.8	658.1
750	434.3	452.7	623.8	647.2	711.2	738.8	797.2	679.8
700	350.6	398.5	400.4	518.7	700.8	672.8	730.2	671.0
650	283.8	303.9	365.9	440.7	428.4	386.0	423.5	575.8
600	229.2	249.0	253.7	277.3	292.2	257.5	277.6	380.7
550	186.5	179.2	169.3	186.9	161.4	163.2	169.6	183.2
500	143.7	126.4	121.5	127.4	123.2	134.2	148.3	151.0
450	98.7	94.6	92.9	99.7	104.6	105.5	110.8	124.6
400	81.0	87.2	89.8	84.6	90.1	88.4	92.1	105.1
350	95.3	89.7	89.7	82.5	81.1	82.6	85.0	86.7
300	260.1	147.8	125.9	99.6	94.1	105.9	92.8	75.9
LONG	-78.96	-78.72	-78.50	-78.28	-78.06	-77.96	-77.78	-77.59
LAT	-21.49	-15.46	-17.48	-15.45	-13.41	-12.39	-10.53	-8.61
QUAL	12	12	12	32	11	12	12	12

Table III. —Continued

PASS 1648 AT OTTAWA, 63 128		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	329	458
1000	0.014	0.006
950	0.021	0.014
900	0.027	0.021
850	0.032	0.027
800	0.039	0.035
750	0.046	0.044
700	0.055	0.054
650	0.067	0.066
600	0.081	0.083
550	0.101	0.107
500	0.127	0.142
450	0.169	0.191
400	0.235	0.265
350	0.342	0.378
300		0.522
HEIGHT	SCALE HEIGHT, KM	
950		
900		
850	267.9	
800	277.3	213.4
750	276.6	230.6
700	271.0	239.5
650	257.6	225.7
600	243.1	209.9
550	223.2	191.7
500	200.9	176.4
450	163.7	162.4
400	151.9	146.0
350	104.2	149.1
300		165.4
LONG	-70.06	-68.50
LAT	46.53	51.45
QUAL	33	32

Table III.—Continued

PASS 1645 AT RESLUT, 63 128				
ELECTRON DENSITY 1, ELECTRONS PER CC (X10-3)				
EIGHT	TIME (UT)			
	825	1424	1509	1525
000	0.020	0.005	0.006	0.009
950	0.023	0.007	0.008	0.011
900	0.025	0.008	0.010	0.014
850	0.027	0.009	0.014	0.017
800	0.032	0.014	0.018	0.021
750	0.042	0.021	0.024	0.026
700	0.056	0.031	0.033	0.031
650	0.075	0.045	0.044	0.039
600	0.102	0.067	0.059	0.060
550	0.140	0.100	0.080	0.082
500	0.196	0.158	0.109	0.109
450	0.277	0.253	0.158	0.163
400	0.366	0.407	0.241	0.244
350	0.534	0.648	0.359	0.368
300			0.529	0.555
HEIGHT	SCALE HEIGHT, KM			
900	607.2	354.3	181.5	
850	452.2	228.7	174.6	
800	222.0	103.6	171.6	266.3
750	172.9	119.6	171.9	262.7
700	171.6	128.5	173.6	242.3
650	168.4	127.9	175.2	177.5
600	162.7	124.7	172.0	136.9
550	156.2	120.1	163.6	151.3
500	148.2	112.9	150.4	144.6
450	148.9	103.3	128.0	124.7
400	151.9	107.2	125.6	124.1
350	172.3	117.6	128.5	118.6
300			137.6	145.1
LONG	-61.51	-19.51	-9.68	-3.47
AT	64.24	79.26	80.03	80.21
JUAL	32	33	32	22

Table III.—Continued

PASS 1654 AT OTTAWA, 63 128		
ELECTRON DENSITY IN ELECTRONS PER CC ($\times 10^{-5}$)		
HEIGHT	TIME (UT)	
	110636	110730
1000	0.062	0.085
950	0.068	0.091
900	0.072	0.096
850	0.076	0.100
800	0.080	0.103
750	0.083	0.107
700	0.088	0.114
650	0.093	0.122
600	0.101	0.132
550	0.112	0.145
500	0.128	0.166
450	0.153	0.197
400	0.195	0.249
350	0.273	0.336
300	0.432	0.489
HEIGHT	SCALE HEIGHT, KM	
	110636	110730
950		
900		
850		1462.8
800	1038.5	1474.3
750	1179.4	1132.3
700	870.8	846.7
650	715.9	692.6
600	552.3	583.8
550	430.7	449.5
500	329.0	323.9
450	252.9	251.7
400	188.1	201.4
350	133.3	157.4
300	108.4	117.6
LONG	-72.47	-72.04
LAT	30.03	27.01
QUAL	33	33

Table III.—Continued

PASS 1654 AT AGASTA, 63 128								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	111859	111934	112010	112046	112122	112158	112234	112309
1000	0.199	0.201	0.199	0.201	0.203	0.211	0.220	0.218
950	0.212	0.215	0.214	0.222	0.218	0.229	0.238	0.244
900	0.226	0.229	0.229	0.243	0.234	0.250	0.259	0.272
850	0.242	0.245	0.245	0.263	0.252	0.275	0.286	0.303
800	0.258	0.263	0.263	0.285	0.274	0.304	0.318	0.336
750	0.278	0.282	0.285	0.306	0.299	0.335	0.351	0.374
700	0.302	0.309	0.313	0.336	0.329	0.372	0.389	0.420
650	0.332	0.345	0.348	0.375	0.369	0.418	0.435	0.481
600	0.375	0.392	0.394	0.426	0.423	0.479	0.498	0.556
550	0.437	0.469	0.471	0.513	0.500	0.573	0.599	0.655
500	0.556	0.612	0.615	0.672	0.634	0.730	0.762	0.824
450	0.793	0.893	0.926	1.004	0.840	1.026	1.048	1.107
400	1.682	1.468	1.575	1.744	1.136	1.625	1.828	1.609
350	1.926	2.565	2.587	2.776	1.583	2.690	2.697	2.333
300				3.562	2.838			
HEIGHT	SCALE HEIGHT, KM							
	784.8	783.3	728.9	533.5	698.3	582.4	599.8	451.1
950	784.8	783.3	728.9	533.5	698.3	582.4	599.8	451.1
900	758.9	752.9	746.6	585.0	672.2	545.4	542.6	469.0
850	754.5	731.0	728.3	629.0	641.3	524.1	521.4	480.6
800	715.2	681.3	633.7	685.0	589.7	506.3	504.9	461.4
750	613.8	604.4	579.6	606.1	538.0	495.3	496.1	435.1
700	553.7	525.4	508.2	506.4	478.3	449.8	469.1	406.2
650	490.4	445.6	439.4	429.8	408.0	397.1	418.9	370.8
600	380.1	344.8	358.4	335.5	333.3	325.3	311.1	331.8
550	268.7	234.1	234.0	226.5	258.4	247.6	237.6	251.3
500	177.7	163.2	161.8	156.2	196.5	182.3	192.8	199.7
450	110.3	116.2	113.2	107.2	176.6	132.4	109.5	153.0
400	319.1	95.4	97.5	97.0	157.0	99.1	116.4	130.9
350	96.9	106.3	133.7	156.3	127.7	131.4	174.6	159.5
300				236.4	122.6			
LONG	-68.06	-67.86	-67.65	-67.43	-67.21	-66.97	-66.73	-66.48
LAT	-11.62	-13.59	-15.61	-17.62	-19.63	-21.65	-23.66	-25.61
QUAL	13	23	12	11	21	31	11	23

Table III.—Continued

PASS 1654 AT AGASTA, 63 128						
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)						
HEIGHT	TIME (UT)					
	112345	112421	112457	112533	112608	112720
1000	0.228	0.223	0.242	0.229	0.216	0.232
950	0.254	0.247	0.267	0.250	0.234	0.254
900	0.264	0.274	0.296	0.276	0.259	0.280
850	0.318	0.309	0.332	0.310	0.293	0.313
800	0.358	0.351	0.377	0.353	0.337	0.365
750	0.405	0.405	0.435	0.410	0.391	0.432
700	0.462	0.470	0.508	0.481	0.453	0.517
650	0.533	0.556	0.606	0.578	0.564	0.620
600	0.625	0.676	0.742	0.710	0.702	0.777
550	0.753	0.821	0.940	0.901	0.912	1.057
500	0.908	1.056	1.259	1.216	1.208	1.474
450	1.202	1.398	1.756	1.750	1.747	2.104
400	1.607	1.965	2.575	2.779	2.743	3.559
350		2.747	3.496	4.047	4.314	6.005
300						
HEIGHT	SCALE HEIGHT, KM					
	453.4	472.0	481.2	522.1	542.4	515.2
950	443.4	438.1	454.7	462.3	457.0	455.4
900	433.1	406.4	416.8	409.5	390.7	396.0
850	419.6	375.1	371.2	358.2	350.6	345.2
800	390.7	344.2	337.1	328.0	319.8	294.3
750	362.4	313.4	302.7	300.2	287.5	267.3
700	332.2	285.4	267.9	261.8	249.2	241.7
650	294.3	260.4	233.2	225.1	213.3	211.7
600	247.4	235.4	198.8	192.8	188.2	174.4
550	181.1	199.2	168.0	160.6	162.0	144.6
500	190.1	167.9	144.1	125.8	132.1	123.0
450	212.1	148.4	150.7	110.7	109.8	92.9
400		189.5	209.3	219.6	124.4	138.5
350						
300						
LONG	-66.20	-65.92	-65.62	-65.29	-64.96	-64.18
LAT	-27.61	-29.62	-31.62	-33.62	-35.56	-39.55
QUAL	22	32	33	32	33	32

Table III.—Continued

PASS 1654 AT SOLANT, 63 128								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	113059	113135	113211	113247	113323	113416	113452	113546
1000	0.228	0.236	0.221	0.208	0.207	0.174	0.157	0.146
950	0.251	0.256	0.241	0.226	0.222	0.197	0.178	0.165
900	0.277	0.279	0.270	0.248	0.242	0.224	0.203	0.188
850	0.307	0.310	0.312	0.279	0.276	0.256	0.234	0.215
800	0.355	0.351	0.359	0.318	0.319	0.301	0.273	0.254
750	0.416	0.402	0.417	0.368	0.367	0.356	0.322	0.301
700	0.495	0.480	0.503	0.442	0.439	0.432	0.385	0.359
650	0.599	0.587	0.622	0.550	0.541	0.529	0.483	0.427
600	0.784	0.735	0.781	0.702	0.679	0.669	0.608	0.534
550	1.043	0.944	1.005	0.919	0.917	0.886	0.811	0.685
500	1.454	1.335	1.423	1.321	1.307	1.248	1.072	0.944
450	2.267	2.044	2.172	2.022	1.954	1.864	1.639	1.382
400	4.049	3.574	3.597	3.353	3.293	3.060	2.674	2.132
350	6.875	6.225	6.338	5.760	5.427	5.269		3.335
300			6.784		7.893	7.453		5.357
HEIGHT	SCALE HEIGHT, KM							
	528.3	600.1	509.1	564.5	645.6	393.0	396.3	395.2
950								
900	472.1	508.4	427.2	479.2	519.0	366.5	376.2	370.5
850	416.0	433.0	362.7	405.0	400.2	339.9	341.8	344.8
800	364.0	385.1	333.9	352.0	341.4	312.6	303.2	309.0
750	312.0	337.3	300.4	308.9	316.2	285.4	281.2	283.0
700	268.8	293.9	255.8	269.5	265.6	259.8	257.3	269.7
650	228.3	251.8	227.7	232.2	228.2	234.9	228.3	256.3
600	198.0	213.3	207.7	197.9	198.8	201.8	199.5	223.1
550	167.7	178.5	181.3	166.6	163.8	163.2	177.0	180.1
500	137.5	142.7	134.1	136.3	133.2	141.4	154.5	151.0
450	103.2	108.3	110.1	111.6	114.8	113.7	121.9	129.4
400	86.6	87.8	94.9	94.3	96.7	96.7	100.9	116.1
350	131.6	110.4	109.7	114.4	114.1	104.6		111.1
300			327.9		251.7	473.7		136.1
LONG	-60.66	-60.10	-59.26	-58.30	-57.21	-55.35	-53.88	-51.13
LAT	-51.58	-53.54	-55.49	-57.43	-59.36	-62.18	-64.08	-66.87
QUAL	33	33	22	23	22	32	23	12

Table III.—Continued

PASS 1654 AT SOLANT, 63 128							
ELECTRON DENSITY IN ELECTRONS PER CC (x10-5)							
HEIGHT	TIME (UT)						
	113640	113716	113809	113845	113921	113957	114034
1000	0.149	0.143	0.149	0.158	0.148	0.148	0.151
950	0.172	0.165	0.170	0.178	0.171	0.168	0.172
900	0.196	0.189	0.193	0.202	0.198	0.193	0.197
850	0.225	0.217	0.220	0.232	0.229	0.223	0.227
800	0.259	0.252	0.254	0.268	0.266	0.265	0.266
750	0.297	0.294	0.295	0.311	0.311	0.315	0.314
700	0.338	0.345	0.352	0.363	0.365	0.374	0.372
650	0.397	0.415	0.422	0.444	0.434	0.449	0.442
600	0.472	0.508	0.517	0.545	0.524	0.554	0.547
550	0.641	0.645	0.634	0.681	0.660	0.683	0.688
500	0.801	0.841	0.837	0.862	0.866	0.899	0.911
450	1.164	1.130	1.131	1.106	1.169	1.212	1.249
400	1.802	1.612	1.585	1.539	1.597	1.673	1.744
350	2.756	2.394	2.228	2.160	2.268	2.324	
300	4.374	3.639		3.099		3.216	
HEIGHT	SCALE HEIGHT, KM						
	369.4	370.8	388.4	410.1	340.7	365.7	370.2
950	369.4	370.8	388.4	410.1	340.7	365.7	370.2
900	366.4	362.2	375.6	389.0	339.9	344.7	353.5
850	365.5	349.3	359.2	361.7	338.9	324.2	334.4
800	366.1	332.0	335.7	329.6	328.5	306.4	310.9
750	354.3	313.0	312.1	308.0	315.9	289.1	294.8
700	340.4	292.7	288.6	286.3	299.2	273.2	282.3
650	289.5	260.6	265.1	264.8	272.9	256.0	266.3
600	232.4	231.4	240.2	243.2	241.4	237.0	233.6
550	179.4	207.2	215.2	222.7	203.5	218.0	202.7
500	159.0	180.9	185.4	203.2	181.7	183.8	176.7
450	144.9	155.4	160.7	183.4	170.4	164.9	160.0
400	122.7	140.4	154.2	162.4	152.1	159.5	152.9
350	115.1	127.5	140.5	147.5	116.9	157.2	
300	115.4	123.6		145.9		164.7	
LONG	-47.61	-44.71	-39.37	-34.61	-28.68	-21.90	-12.45
LAT	-69.00	-71.36	-73.85	-75.42	-76.86	-78.21	-79.22
QUAL	11	13	13	12	13	31	13

Table III.—Continued

PASS 1666 AT RESLUT, 63 129								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	113137	113156	113214	113232	113250	113308	113325	113401
1000	0.006	0.009	0.022	0.040	0.017	0.016	0.007	0.009
950	0.009	0.011	0.026	0.047	0.022	0.020	0.009	0.013
900	0.011	0.012	0.031	0.053	0.026	0.024	0.010	0.016
850	0.013	0.015	0.037	0.061	0.031	0.027	0.012	0.018
800	0.018	0.020	0.044	0.072	0.036	0.032	0.015	0.021
750	0.024	0.026	0.052	0.085	0.043	0.038	0.018	0.025
700	0.035	0.036	0.063	0.101	0.051	0.047	0.023	0.031
650	0.050	0.051	0.079	0.121	0.064	0.059	0.029	0.040
600	0.071	0.074	0.102	0.150	0.083	0.077	0.039	0.056
550	0.105	0.106	0.135	0.194	0.111	0.105	0.053	0.078
500	0.164	0.162	0.184	0.260	0.153	0.145	0.075	0.109
450	0.266	0.258	0.270	0.358	0.216	0.207	0.110	0.169
400	0.428	0.429	0.414	0.508	0.315	0.307	0.171	0.269
350	0.689	0.686	0.640	0.701	0.470	0.474	0.269	0.418
300	1.039	1.053		0.867	0.709	0.713	0.487	
HEIGHT	SCALE HEIGHT, KM							
900	220.1	297.7	289.0	371.8	283.3	335.9	287.8	298.6
850	193.4	208.8	287.6	319.3	318.2	336.2	302.1	320.9
800	173.2	175.2	291.8	297.7	320.8	301.6	273.5	304.1
750	140.5	160.1	276.9	296.0	287.2	269.9	232.2	269.5
700	142.3	150.0	239.2	284.7	249.7	240.9	203.6	236.9
650	142.3	141.6	212.8	256.5	207.4	201.8	188.9	163.8
600	134.3	137.9	195.8	215.0	181.1	173.9	173.4	156.9
550	123.6	134.1	171.7	186.2	166.1	158.7	157.1	147.5
500	108.6	120.6	148.9	168.8	156.2	150.3	141.9	134.7
450	107.8	99.8	134.6	144.6	143.2	139.3	127.6	120.2
400	108.0	101.4	112.5	150.8	127.9	121.1	116.6	110.6
350	114.3	112.8	121.7	173.3	122.4	117.5	99.8	97.8
300	143.7	132.2		600.1	122.1	140.5	86.8	
LONG	-103.14	-101.59	-100.42	-99.33	-98.24	-97.27	-96.48	-94.81
LAT	70.26	69.33	68.41	67.49	66.57	65.64	64.75	62.86
QUAL	32	32	32	31	32	32	32	32

Table III.—Continued

PASS 1668 AT RESLUT, 63 129		
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)		
HEIGHT	TIME (UT)	
	113419	113437
1000	0.023	0.007
950	0.028	0.010
900	0.031	0.012
850	0.033	0.015
800	0.035	0.018
750	0.039	0.022
700	0.045	0.028
650	0.058	0.038
600	0.079	0.051
550	0.112	0.071
500	0.159	0.100
450	0.242	0.150
400	0.367	0.237
350	0.536	0.382
300		0.652
HEIGHT	SCALE HEIGHT, KM	
900		249.2
850	880.0	242.5
800	670.3	234.4
750	479.8	217.5
700	244.7	196.3
650	172.9	167.4
600	158.0	160.6
550	145.3	149.0
500	134.7	134.4
450	124.7	121.1
400	127.2	111.7
350	139.7	101.2
300		91.4
LONG	-94.16	-93.50
LAT	61.90	60.94
QUAL	32	32

Table III. —Continued

PASS 1668 AT AGASTA, 63 129								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	115650	115726	115744	115802	115838	115913	115949	120025
1000	0.148	0.157	0.158	0.150	0.157	0.165	0.165	0.172
950	0.154	0.166	0.169	0.161	0.168	0.177	0.176	0.187
900	0.165	0.178	0.180	0.176	0.182	0.192	0.191	0.204
850	0.179	0.191	0.192	0.187	0.216	0.209	0.210	0.224
800	0.196	0.205	0.206	0.199	0.234	0.230	0.233	0.250
750	0.216	0.227	0.231	0.213	0.244	0.254	0.261	0.279
700	0.243	0.256	0.263	0.245	0.292	0.284	0.292	0.313
650	0.276	0.289	0.301	0.323	0.355	0.335	0.333	0.355
600	0.314	0.329	0.345	0.402	0.412	0.418	0.385	0.415
550	0.396	0.421	0.433	0.473	0.472	0.532	0.467	0.498
500	0.527	0.578	0.570	0.541	0.533	0.690	0.574	0.613
450	0.750	0.819	0.798	0.764	0.973	0.893	0.781	0.814
400	1.167	1.306	1.262	1.219	1.440	1.328	1.140	1.172
350	2.021	2.054	1.841	1.970		2.021	1.726	1.815
300	2.861	2.707						2.594
HEIGHT	SCALE HEIGHT, KM							
	933.6	823.0	755.3	672.4	832.1	601.8	665.1	561.6
950	933.6	823.0	755.3	672.4	832.1	601.8	665.1	561.6
900	708.7	721.8	761.3	737.2	564.3	579.9	588.0	532.6
850	574.8	653.3	663.6	712.2	535.7	556.6	531.0	501.8
800	523.0	587.2	565.9	624.3	536.1	521.8	480.4	469.4
750	471.1	477.6	486.8	536.5	519.6	478.1	448.9	442.9
700	418.6	399.4	408.0	428.1	392.7	367.3	417.3	419.8
650	365.8	352.2	349.7	283.4	299.1	283.1	358.9	348.0
600	313.0	305.1	296.9	239.1	279.0	256.1	299.1	300.3
550	226.9	236.0	223.1	231.8	258.9	229.1	256.9	263.9
500	164.3	155.0	171.0	224.6	238.9	198.2	214.6	223.9
450	134.5	130.5	119.6	140.4	108.2	165.2	162.6	169.9
400	99.9	106.1	113.9	109.8	109.5	122.2	125.8	124.2
350	113.3	147.4	127.8	120.8		129.3	122.9	134.5
300	226.2	250.6						179.0
LONG	-79.26	-79.05	-78.94	-78.84	-78.61	-78.38	-78.14	-77.89
LAT	-13.23	-15.25	-16.25	-17.26	-19.27	-21.23	-23.24	-25.25
QUAL	21	22	22	12	13	13	12	12

Table III. —Continued

PASS 1668 AT AGASTA, 63 129								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	120101	120137	120213	120248	120324	120400	120436	120512
1000	0.157	0.162	0.165	0.162	0.168	0.170	0.148	0.092
950	0.177	0.181	0.183	0.181	0.185	0.187	0.165	0.105
900	0.199	0.202	0.203	0.204	0.207	0.211	0.189	0.125
850	0.223	0.223	0.229	0.230	0.235	0.245	0.218	0.150
800	0.250	0.246	0.263	0.263	0.271	0.281	0.251	0.178
750	0.284	0.273	0.302	0.302	0.311	0.321	0.294	0.212
700	0.324	0.317	0.344	0.349	0.356	0.379	0.354	0.260
650	0.371	0.377	0.404	0.415	0.413	0.452	0.430	0.321
600	0.429	0.446	0.476	0.497	0.488	0.542	0.526	0.414
550	0.514	0.533	0.590	0.625	0.596	0.679	0.665	0.535
500	0.644	0.686	0.745	0.800	0.769	0.877	0.877	0.737
450	0.858	0.916	0.966	1.025	1.029	1.130	1.151	1.030
400	1.211	1.262	1.347	1.456	1.486	1.597	1.698	1.563
350	1.760	1.880	1.988	2.053	2.149	2.279	2.514	2.318
300	2.451	2.609	2.744	2.839	2.928	3.105	3.452	3.252
HEIGHT	SCALE HEIGHT, KM							
	450.2	478.2	482.1	430.1	461.8	464.3	437.7	464.4
950	450.2	478.2	482.1	430.1	461.8	464.3	437.7	464.4
900	436.2	494.0	438.9	415.0	426.7	394.0	391.1	396.0
850	428.3	491.0	403.9	396.8	398.5	349.2	357.4	361.4
800	418.4	452.1	376.3	370.9	378.1	341.0	337.5	359.2
750	403.0	413.3	357.3	342.1	361.8	332.4	314.0	330.2
700	378.1	347.0	340.3	312.2	344.6	310.0	284.0	285.9
650	342.0	288.2	304.5	281.5	318.8	286.8	256.8	260.6
600	310.8	269.0	268.5	250.8	277.1	239.1	233.1	233.9
550	256.1	244.0	240.7	226.4	221.6	215.3	210.1	206.7
500	205.7	199.5	214.7	203.9	194.8	199.1	188.2	178.9
450	166.2	167.3	180.2	181.5	159.7	183.0	166.3	151.0
400	140.1	144.9	143.6	161.5	138.4	163.9	143.7	139.8
350	140.3	139.1	149.0	151.6	150.0	153.3	139.3	140.3
300	191.1	176.3	218.1	186.1	205.3	195.4	229.1	194.5
LONG	-77.62	-77.33	-77.04	-76.73	-76.38	-76.02	-75.78	-75.54
LAT	-27.26	-29.26	-31.26	-33.21	-35.21	-37.20	-39.19	-41.18
QUAL	11	13	11	12	11	12	11	12

Table III.—Concluded

PASS 1668 AT SOLANT, 63 129								
ELECTRON DENSITY IN ELECTRONS PER CC (X10-5)								
HEIGHT	TIME (UT)							
	121253	121330	121405	121441	121629	121651	121705	121716
30	0.158	0.129	0.138	0.131	0.127	0.135	0.130	0.130
50	0.178	0.148	0.157	0.153	0.148	0.155	0.143	0.151
70	0.201	0.169	0.180	0.174	0.173	0.180	0.162	0.174
90	0.226	0.194	0.208	0.202	0.201	0.209	0.189	0.202
110	0.257	0.226	0.242	0.237	0.234	0.244	0.228	0.236
130	0.297	0.265	0.283	0.279	0.276	0.288	0.274	0.279
150	0.347	0.313	0.331	0.326	0.329	0.340	0.323	0.334
170	0.428	0.378	0.398	0.394	0.399	0.400	0.386	0.398
190	0.538	0.470	0.489	0.487	0.494	0.488	0.479	0.491
210	0.676	0.583	0.632	0.613	0.618	0.639	0.611	0.633
230	0.842	0.718	0.825	0.804	0.832	0.827	0.804	0.851
250	1.035	1.015	1.139	1.070	1.131	1.141	1.065	1.165
270	1.467	1.440	1.585	1.512	1.589	1.545	1.551	1.628
290	2.153	2.096	2.299	2.248		2.235	2.254	2.324
310		3.111		3.330		3.179	3.288	
HEIGHT	SCALE HEIGHT, KM							
	428.4	393.4	363.8	369.0	335.1	354.6	434.0	345.2
950	428.4	393.4	363.8	369.0	335.1	354.6	434.0	345.2
900	414.9	362.8	356.5	349.9	331.0	341.3	369.2	339.0
850	395.1	342.3	339.7	334.0	322.8	326.1	323.5	322.9
800	370.2	323.9	325.0	318.5	310.1	302.5	294.5	301.4
750	323.6	300.5	309.3	301.0	292.4	288.9	280.0	289.3
700	263.6	275.7	293.4	283.1	271.5	276.5	274.3	279.4
650	248.8	254.9	257.1	259.4	249.5	264.2	258.6	269.4
600	238.6	238.0	221.5	233.5	226.6	244.1	224.1	221.3
550	228.3	221.1	198.8	208.9	203.4	210.7	198.0	186.3
500	218.1	204.2	177.2	186.9	178.6	177.8	180.8	172.6
450	207.8	169.0	162.8	164.2	155.3	165.5	163.4	160.2
400	170.2	139.3	145.8	139.6	136.1	153.2	145.3	150.1
350	133.5	131.6	131.1	132.5		149.6	135.5	130.9
300		140.7		139.7		157.0	146.9	
LONG	-63.36	-61.15	-58.86	-55.84	-42.48	-38.86	-36.21	-33.64
LAT	-66.08	-67.97	-69.73	-71.49	-76.30	-77.19	-77.70	-78.05
QUAL	13	11	12	11	13	11	11	13

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